ORDER NO. SM–96046

Service Manual

Colour Television

TX–W32D2F

EURO–3HW Chassis

Specifications

Power Source :	220 – 240 V AC, 50Hz	
Power Consumption :	173W	
Aerial Impedance :	75Ω unbalanced, Coaxial Type	
Receiving System :	PAL B/G, D/K, I, H, PAL – 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (AV Only)	
Receiving Channels :	VHF E2 – E12	
VHF H1 – H2 (ITALY)	VHF A – H (ITALY)	
VHF R1 – R2	VHF R3 – R5	
VHF R6 – R12	UHF E21 – E69	
CATV (S01 – S05)	CATV S1 – S10 (M1 – M10)	
CATV S11 – S20 (U1 – U10)	CATV S21 – S41 (HYPERBAND)	
Intermediate Frequency :		
Video	38.9MHz,34MHz	
Sound	32.9MHz,33.4MHz 33.16MHz,32.4MHz 40.4MHz,34.05MHz,33.05MHz	
Colour	34.65MHz,34.47MHz,34.5MHz	
Video / AudioTerminals		
AUDIO MONITOR OUT	Audio (RCA x 2)	500 mV rms 1kΩ
AV1 IN	Video (21 pin) Audio (21 pin) RGB (21 pin)	1 Vp–p 75Ω 500 mV rms 10kΩ
AV1 OUT	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms 1kΩ
AV2 IN	Video (21 pin) Audio (21 pin) S–Video IN (21 pin)	1 Vp–p 75Ω 500 mV rms 10 kΩ Y : 1 Vp–p 75Ω C : 0.3 Vp–p 75Ω
AV2 OUT	Video (21 pin) Audio (21 pin) Selectable output (21 pin)	1 Vp–p 75Ω 500 mV rms 1kΩ
AV3 IN	S–Video IN (4–pin) Audio (RCA x 2) Video (RCA x 1)	Y : 1 Vp–p 75Ω C : 0.3 Vp–p 75Ω 500 mV rms 10kΩ 1 Vp–p 75Ω
AV4 IN	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms 10kΩ
AV4 OUT	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms 1kΩ
High Voltage :	30.5 kV ± 1kV at zero beam current	
Picture Tube :	W76LFC185X0582 cm	
Visible screen size:	106° deflection	
Audio Output :		
Internal Speaker	2 x 20W (Left/Right) (Music Power) 26W (3D Bass) (Music Power) 8 Ω Impedance	
Headphones	8 Ω Impedance	
Accessories supplied :	Remote Control 2 x R6 (UM3) Battereis	
Dimensions :	Height : 553mm Width : 862mm Depth : 555mm	
Net Weight	52kg	

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

Technische Daten

Netzpannung :	220 – 240 V AC, 50Hz	
Leistungsaufnahme :	173W	
Antennenimpedanz :	75Ω asymmetrisch, Koaxial– Typ	
Empfangssystem :	PAL B/G, D/K, I, H, PAL – 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (nur AV Eingang)	
Empfangsbereiche :	VHF E2 – E12	
VHF H1 – H2 (ITALY)	VHF A – H (ITALY)	
VHF R1 – R2	VHF R3 – R5	
VHF R6 – R12	UHF E21 – E69	
CATV (S01 – S05)	CATV S1 – S10 (M1 – M10)	
CATV S11 – S20 (U1 – U10)	CATV S21 – S41 (HYPERBAND)	
Zwischenfrequenz :		
Video	38.9MHz,34MHz	
Sound	32.9MHz,33.4MHz 33.16MHz,32.4MHz 40.4MHz,34.05MHz,33.05MHz	
Colour	34.65MHz,34.47MHz,34.5MHz	
Video / Audio Anschlüsse :		
AUDIO MONITOR AUSGANG	Audio (RCA x 2)	500 mV rms 1kΩ
AV1 EINGANG	Video (21 pin) Audio (21 pin) RGB (21 pin)	1 Vp–p 75Ω 500 mV rms10kΩ
AV1 AUSGANG	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms1kΩ
AV2 EINGANG	Video (21 pin) Audio (21 pin) S–Video IN (21 pin)	1 Vp–p 75Ω 500 mV rms 10 kΩ Y : 1 Vp–p 75Ω C : 0.3 Vp–p 75Ω
AV2 AUSGANG	Video (21 pin) Audio (21 pin) Selectable output (21 pin)	1 Vp–p 75Ω 500 mV rms1kΩ
AV3 EINGANG	S–Video IN (4–pin) Audio (RCA x 2) Video (RCA x 1)	Y : 1 Vp–p 75Ω C : 0.3 Vp–p 75Ω 500 mV rms10kΩ 1 Vp–p 75Ω
AV4 EINGANG	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms10kΩ
AV4 AUSGANG	Video (21 pin) Audio (21 pin)	1 Vp–p 75Ω 500 mV rms1kΩ
Hochspannung :	30.5 kV ± 1kV bei Nullstrahlstom	
Bildrohre :	W76LFC185X0582 cm	
Visuelle Diagonale :	106°Ablenkung	
Ton Ausgangsleistung :		
Einbaulautsprecher	2 x 20W (Links/Rechts) (Musikleistung) 26W (3D Bass) (Musikleistung) 8 Ω Impedanz	
Kopfhörer	8 Ω Impedanz	
Mitgel. Zubehör	Fernbedienung 2 x R6 (UM3) Batterien	
Abmessungen :	Höhe : 553mm Breite : 862mm Tiefe : 555mm	
Gewicht	52kg	

Änderungen der technischen Daten vorbehalten.
Gewichte und Abmessungen sind Näherungsangaben.

Panasonic

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SAFETY PRECAUTIONS

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R–C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 31.5kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials , connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

SICHERHEITSVORKEHRUNGEN

Allgemeine Richtlinien

1. Es ist empfehlenswert einen Trenntransformator in die Stromversorgung zu schalten, bevor Reparaturen an einem Gerät vorgenommen werden, dessen Chassis unter Spannung steht.
2. Bei der Durchführung von Servicearbeiten dürfen die ursprünglichen Kabelanschlüsse nicht vertauscht werden. Dies gilt insbesondere für die Anschlüsse im Hochspannungsteil. Hat sich ein Kurzschluß ereignet, dann sind alle Teile, an denen Spuren von Überhitzung sichtbar sind, auszuwechseln.
3. Nach Beenden der Servicearbeiten ist sicherzustellen, daß alle Sicherheitsvorrichtungen, wie Isolationsstege, Isolationspapiere, Abschirmungen und Isolations –R/C– Glieder wieder richtig eingesetzt sind.
4. Wenn der Fernseher während längerer Zeit nicht in Betrieb gesetzt wird, sollte der Netzstecker aus der Netzsteckdose gezogen werden.
5. Im Betrieb sind Spannungen bis zu 31.5kV in diesem Gerät vorhanden. Die Inbetriebnahme des Fernsehers ohne aufgesetzte Rückwand bringt die Gefahr eines elektrischen Schlages von der Fernseher – Stromversorgung mit sich. Servicearbeiten solten daher auch nie durch Personen versucht werden, die nicht in vollem Umfang mit den Sicherheitsvorkehrungen beim Umgang mit Hochspannungsgeräten vertraut sind. Vor der Handhabung mit der Bildröhre ist die Anode der Bildröhre immer an dem Empfängerchassis zu entladen.
6. Nach Beenden der Servicearbeiten sind die folgenden Kriechstrom–Prüfungen durchzuführen, um den Kunden vor der Gefahr eines elektrischen Schlages zu schützen.

MESSUNG DES ISOLATIONSWIDERSTANDES IM ABGESCHALTETEN ZUSTAND

1. Den Netsztecker aus der Netzsteckdose ziehen und die beiden Steckerstifte kurzschließen.
2. Den Geräteschalter des Fernsehgerätes einschalten.
3. Mit einem Ohmmeter den Widerstandswert zwischen dem überbrückten Netzstecker und jedem zugänglichen Metallteil am Gehäuse des Fernsehgerätes, wie Schraubenköpfe, Antennen, Achsen der Regler, Griffassungen usw messen. Wenn ein zugängliches Metallteil keine Rückleitung zum Chassis hat, muß die Anzeige unendlich betragen.

LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2kΩ 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

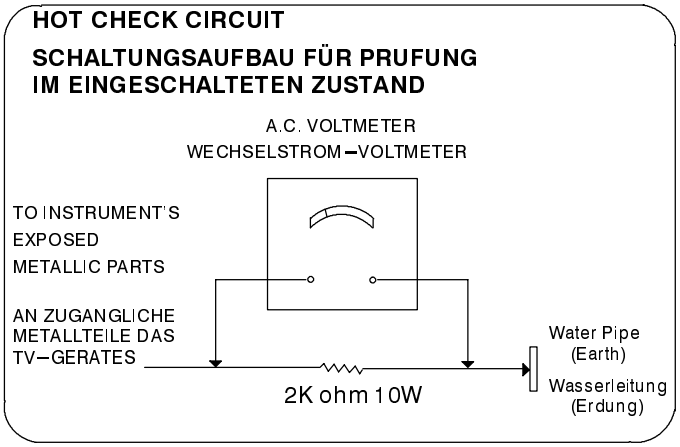


Fig.1
Abb.1

X–RADIATION WARNING

1. The potential sources of X–Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 31.5kV without causing X–Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate 30.5kV ±1kV if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent any X–Radiation possibility, it is essential to use the specified tube.

MESSUNG DES KRIECHSTROMS IM EINGESCHALTETEN ZUSTAND

1. Den Netzstecker direkt in eine Netsteckdose stecken. Für diese Messung keinen Trenntransformator verwenden.
2. Einen 2k Ω / 10W–Widerstand in Serie mit einem von außen zugänglichen Metallteil am Fernsehgerät und einer guten, Erdung z.B Wasserleitung, anschließen.
3. Ein Wechselstrom–Voltmeter mit einem Meßbereich von 1000 Ohm.Volt oder größer verwenden, um die Spannung über den Widerstand zu messen.
4. Jedes zugängliche Metallteil prüfen, und an jedem Punkt die Spannung messen.
5. Den Netztecker umgekehrt in die Steckdose stecken und jede der obigen Messungen wiederholen.
6. Die Spannung darf an keinem der Punkte 1.4V eff. überschreiten. Wird dieser Wert nicht eingehalten, besteht die Gefahr eines elektrischen Schlages, und das Fernsehgerät sollte daher repariert und nachgeprüft werden, bevor es an den Kunden zurückgegeben wird.

RÖNTGENSTRAHLUNG ACHTUNG :

1. Potentielle Quellen von Röntgenstrahlung in Fernsehgeräten sind das Hochspannungsteil und die Bildröhre.
2. Bei Verwendung eines Bildröhren–Prüfgerätes für den Service ist sicherzustellen, daß es für die Belastung von 31.5kV geeignet ist, ohne daß eine Röntgenstrahlung verursacht wird.

ANMERKUNG : Es ist wichtig, daß ein präzises, regelmäßig geprüftes Voltmeter verwendet wird.

1. Helligkeit auf Minimum stellen.
2. Die Hochspannung messen. Die Anzeige des Instrumentes sollte 30.5kV ±1kV betragen. Falls die Anzeige diese Toleranzgrenzen überschreitet, ist die sofortige Behebung nötig, um die Möglichkeit vorzeitigen Komponentenausfalls zu verhüten.
3. Um die Möglichkeit von Röntgenstrahlung zu begrenzen, ist es wichtig, daß nur die vorgeschriebene Bildröhre verwendet wird.

Location Of Controls

Lage der Einstellregler

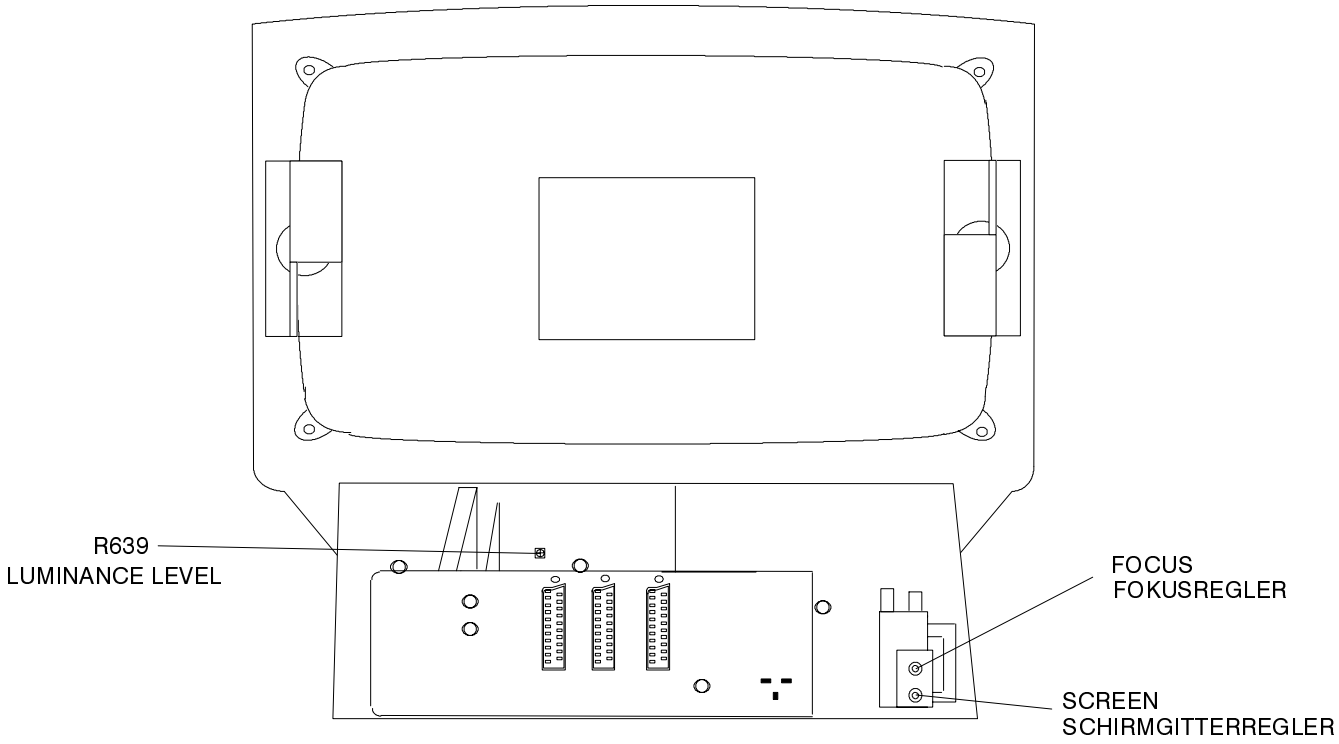


Fig.2
Abb.2

SERVICE HINTS

How to remove the rear cover

1. Remove the 10 screws (A) as shown in Fig.3/Fig.4.

SERVICE HINWEISE

Entfernen Der Geräterückwand

1. Die 10 Schrauben (A) entfernen, siehe Abb.3/Abb.4.

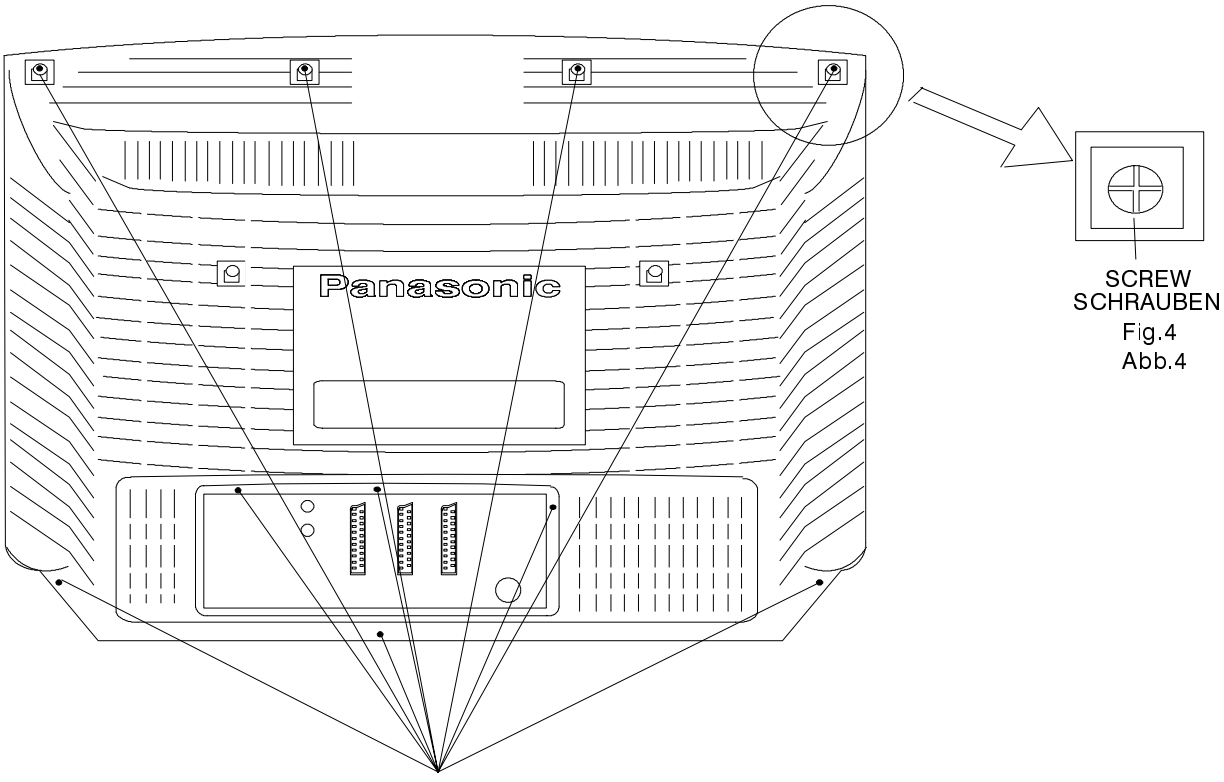


Fig.4
Abb.4

SCREWS (A)
SCHRAUBEN (A)

Fig.3.
Abb.3.

Adjustment Procedure

The remote control is used for entering and storing adjustments, with the exception of cut–off adjustments which must always be done prior to service adjustment. Perform adjustments in accordance with screen display. The display on the screen also specifies the CCU variants as well as the approx. setting values. The adjustment sequence for the service mode is indicated below.

1. Set the Bass to maximum position, set the Treble to minimum position, press and hold the Reveal button on the remote control and at the same time press the –/v button on the customer controls at the front of the TV, this will place the TV into the Service Mode.
2. Press the RED / GREEN buttons to step up / down through the functions.
3. Press the YELLOW / BLUE buttons to alter the function values.
4. Press the STORE button after each adjustment has been made to store the required values.
5. To exit the Service Mode press the Normalisation button..

NOTE: This TV also has the option of using a Memory Pack which enables you to copy the preset TV channels into the Memory Pack and then download them onto this or any other EURO–3 TV set.

TV to Memory Pack process

1. Plug the memory pack into the AV2 21 pin terminal at the back of the TV and switch the TV on.
2. Go into the Service Mode as explained above. The screen will show:–

Program External>>TV

3. Press the blue button on the remote control. The screen will show:–

Program TV>>External

4. Press the STORE button on the TV. The screen will show:–

Storing

5. All the tuning information stored inside the TV will now be transferred to the Memory Pack. This process will take 2–3 minutes to complete and when finished the screen will show:–

OK!

Memory Pack to TV Process

1. Plug the memory pack into the AV2 21 pin terminal at the back of the TV and switch the TV on.
2. Go into the Service Mode as explained above. The screen will show:–

Program External>>TV

3. Press the STORE button on the TV. The screen will show:–

Loading

4. All the tuning information stored inside the Memory Pack will now be transferred to the TV. This process will take 2–3 minutes to complete and when finished the screen will show:–

OK!

5. The tuning information from the Memory Pack has now been copied into the TV.
6. To exit from the Service Mode press the Normalisation button.
7. The process has now been completed and the Memory Pack can now be removed.

Errors

If an error occurs while using the Memory Pack the TV will detect this and the screen will show:–

Program Error!

If this happens then press the Normalisation button and repeat the process that was being used. If the errors continue to occur then check the connectors between the TV and the memory pack and check the 9V battery inside the memory pack.

ABGLEICHVERFAHREN

Die Fernbedienung dient zum Eingeben und Abspeichern der Einstellwerte, mit Ausnahme der Sperrpunkteinstellung, die grundsätzlich vor den hier beschriebenen Einstellungen vorgenommen werden muss. Die Einstellung erfolgt entsprechend dem Bildschirm–Display. Auf dem Bildschirm–Display erscheinen auch die CCU–Varianten sowie die ungefähren Einstellwerte. Die Einstellfolge für den Service–Modus ist nachstehend beschrieben.

1. Um in den Service–Mode zu gelangen, gehen sie bitte wie folgt vor.
   a) Stellen sie im Toneinstellungs–Menü die Bässe auf Maximum und die Höhen auf Minimum.
   b) Halten sie die REVEAL–Taste auf der Fernbedienung gedrückt und drücken zusätzlich die Taste –/v im Bedienteil des TV–Gerätes. Auf dem Bildschirm erscheint die entsprechende Anzeige für den Service–Mode.
2. Die einzelnen Funktionen mit Hilfe der ROTEN und GRÜNEN Taste anwählen.
3. Mit der GELBEN und BLAUEN Taste die Werte der einzelnen Funktionen ändern.
4. Nach jeder Einstellung die Taste STR auf der Fernbdienung oder am Bedienfeld drücken, um die geänderten Werte abzuspeichern.
5. Zum Verlassen des Service–Modus die "N"–Taste auf der Fernbdienung drücken

HINWEIS: Dieses FS–Gerät bietet auch die Möglichkeit eines Memory Pack, mit dem Sie die gewählten Fernsehkanäle abspeichern und auf jedes beliebige EURO3 FS–Gerät umkopieren können.

Kopieren der Einstelldaten vom FS–Gerät in das Memory Pack

1. Das Memory Pack in die AV2–Buchse an der Rückseite des FS–Gerätes stecken und das Gerät einschalten.
2. Wie schon oben beschrieben auf Service–Modus umschalten. Auf dem Bildschirm erscheint:

   Program
   External>>TV
3. Nun die blaue Taste an der Fernbedienung betätigen. Auf dem Bildschirm erscheint:

   Program
   TV>>External
4. Die Taste STORE am Fernseher drücken. Der Bildschirm meldet nun:

   Storing
5. Die im FS–Gerät abgespeicherten Kanal–Einstelldaten werden nun in das Memory Pack überspielt. bei abgeschlossener Datenübertragung meldet der Bildschirm:

   OK!

Kopieren der Einstelldaten vom Memory Pack in das FS–Gerät

1. Das Memory Pack in die AV2–Buchse an der Rückseite des FS–Gerätes stecken und das Gerät einschalten.
2. Wie schon oben beschrieben auf Service–Modus umschalten. Auf dem Bildschirm erscheint:

   Program
   External>>TV
3. Die Taste STORE am Fernseher drücken. Der Bildschirm meldet nun:

   Loading
4. Die im Memory Pack abgespeicherten Einstelldaten werden nun in das FS–Gerät überspielt. bei aggeschlossener Datenübertragung meldet der Bildschirm:

   OK!
5. Die Kanal–Einstelldaten sind damit vom Memory Pack in das FS–Gerät überspielt.
6. Zum Verlassen des Service–Modus die "N"–Taste auf der Fernbdienung drücken
7. Der Kopiervorgang ist somit abgeschlossen, und das Memory Pack kann von der Steckerleiste abgezogen werden.

Fehler

Falls beim Gebrauch des Memory Packs Fehler aufreten, zeigt das FS–Gerät dies auf dem Bildschirm mit der folgenden Meldung an:

Program
Error!

In diesem Fall muss der Service–Modus durch Drücken der "N"–Taste auf der Fernbedienung verlassen und anschliessend der Vorgang wiederholt werden. Falls weiterhin Fehlermeldungen erscheinen, müssen die Anschlusskontakte zwischen FS–Gerät und Memory Pack sowie die 9V Batterie im Memory Pack kontrolliert werden.

Alignment Settings

(The figures used below are nominal and used for representative purposes only)

The remote control is used for entering and storing adjustments. The adjustment sequence for the service mode is indicated below.

1. Set the Bass to maximum position, set the Treble to minimum position, press and hold the Reveal button on the remote control and at the same time press the –/v button on the customer controls at the front of the TV, this will place the TV into the Service Mode.
2. Press the RED / GREEN buttons to step up / down through the functions.
3. Press the YELLOW / BLUE buttons to alter the function values.
4. Press the STORE button after each adjustment has been made to store the required values.
5. To exit the Service Mode press the Normalisation button..

Alignment Function		Settings / Special features
Vertical amplitude	V–AMP 038	Optimum setting
Vertical linearity	V–LIN 022	
V–Pos.	V–POS 005	Optimum setting
Horizontal amplitude	H–AMP 043	Optimum setting
Horizontal position	H–POS 035	
EW–amplitude	E/W–AMP 1 020	Optimum setting
EW–amplitude	E/W–AMP 2 015	Optimum setting
Trapezium–comp	TRAPEZ–1 004	Optimum setting
Vert. DC.	VERT. D.C. 008	Not to be adjusted.
Text Position	TEXT POSITION 060	Optimum setting
Cutoff	– – –	Enter Service Mode and step through to Cutoff, connect an oscilloscope to the Blue Cathode and adjust the screen VR of the FBT to get 150±5V at the base of the Cutoff pulse.
Cutoff RGB	CUTOFF RGB 032 032 032	Press the GREEN button to step through the settings. Adjust for optimum.
White RGB	WHITE RGB 032 032 032	Press the GREEN button to step through the settings. Adjust for optimum.
Sub Brightness	SUB BRIGHT 000	Optimum setting

Abgleichtabelle

(Die angegebenen Werte sind Mittelwerte und Können individuell nach oben oder unten nach dem korrekten Abgleich abweichen)

Die Fernbedienung dient zum Eingeben und Abspeichern der Einstellwerte. Die Einstellfolge für den Service–Modus ist nachstehend beschrieben.

1. Den Tiefenregler auf Höchstellung und den Höhenregler auf Mindeststellung stellen.Nachdem die F–Taste am Bedienfeld des FS–Gerätes gedrückt wurde, die Die Taste "Lautstärke Minus" am FS–Gerät drücken und gleichzeitig die Taste "Reveal" auf der Fernbedienung betätigen. Hierdurch wird das FS–Gerät auf Service–Modus geschaltet.
2. Die einzelnen Funktionen mit Hilfe der ROTEN und GRÜNEN Taste anwählen.
3. Mit der GELBEN und BLAUEN Taste die Werte der einzelnen Funktionen ändern.
4. Nach jeder Einstellung die Taste STR auf der Fernbdienung oder am Bedienfeld drücken, um die geänderten Werte abzuspeichern.
5. Zum Verlassen des Service–Modus die "N"–Taste auf der Fernbdienung drücken

Abgleichfunktion		**Einstellung/Besondere Merkmale**
Vertikale Amplitude	V–AMP 038	Optimale Einstellung
Vertical linearität	V–LIN 022	
V–Pos.	V–POS 005	Optimale Einstellung
Horizontale Amplitude	H–AMP 043	Optimale Einstellung
Horizontale position	H–POS 035	
OW–amplitude	E/W–AMP 1 020	Optimale Einstellung
OW–amplitude	E/W–AMP 2 015	Optimale Einstellung
Trapez–Kompensation	TRAPEZ–1 004	Optimale Einstellung
Vert. DC.	VERT. D.C. 008	Nicht einstellen
Text Position	TEXT POSITION 060	Optimale Einstellung
Cutoff	– – –	Den Service Mode aktivieren und auf Cutoff gehen. Oscilloscope an Blaukathode anschliessen und mit dem "Screen" –Regler am Zeilentrafo die untere Spitze des Cutoff–Pulses auf 150V +/– 5V einstellen.
Cutoff RGB	CUTOFF RGB 032 032 032	Die Einstellungen mit Hilfe der GRÜNEN Taste anwählen. Optimale Einstellung.
White RGB	WHITE RGB 032 032 032	Die Einstellungen mit Hilfe der GRÜNEN Taste anwählen. Optimale Einstellung.
Grundhelligket	SUB BRIGHT 000	Optimale Einstellung

ADJUSTMENT PROCEDURE

Item/Preparation	Adjustments
Supply Voltage Check 1. Receive a standard test pattern 2. Set the controls: Brightness Minimum Contrast Minimum Volume Minimum	1. Confirm the following voltages. **E PCB** **U5B** 5 ± 0.5V **U8B** 8 ± 0.5V **U8** 8 ± 0.5V **U9** 9 ± 0.5V **U12** 11.8 ± 0.5V **D PCB** **U5A** 5.1 +0.12/–0.1V **U5SB** 5 ± 0.25V **U15** 15 ± 0.7V **U16** 16.1 ± 0.8V **U22** 22.5 ± 1V **U38** 38 ± 1V **U47** 47.5 ± 2.5V **U150** 150 ± 1V **U200** 204 ± 10V

ABGLEICH

Vorbereitung	Abgleich
Prüfen der Versorgungsspannung 1. Testbild empfangen. 2. Helligkeit auf Minimum Kontrast auf Minimum Lautstärke auf Minimum	1. Folgende Spannungen sind zu überprüfen : **E PCB** **U5B** 5 ± 0.5V **U8B** 8 ± 0.5V **U8** 8 ± 0.5V **U9** 9 ± 0.5V **U12** 11.8 ± 0.5V **D PCB** **U5A** 5.1 +0.12/–0.1V **U5SB** 5 ± 0.25V **U15** 15 ± 0.7V **U16** 16.1 ± 0.8V **U22** 22.5 ± 1V **U38** 38 ± 1V **U47** 47.5 ± 2.5V **U150** 150 ± 1V **U200** 204 ± 10V

SELF CHECK

Self check is used to automatically check the Bus Lines and Hexadecimal code of the TV set.
To get into the Self Check mode press and hold the Status button on the Remote Control at the same time pressing the –/v button on the customer controls at the front of the TV, and the screen will show:–

0	ok	Tuner	8	–– Dolby Sub
1	ok	VIF	9	–– Dolby IC for L/R
2	ok	EEPROM	10	–– Dolby IC for C/R
3	ok	Sound AV switch1	11	ok P S MODE
4	ok	Video AV switch1	12	ok P TA0
5	ok	VDP	13	ok P TA1
6	ok	TPU	14	ok P TA2
7	ok	MSP	15	ok P TA3

If the CCU ports have been checked and found to be incorrect or not located then "––" will appear in place of "OK".

			Hex codes
16	ok	P SDA	09
17	ok	P SCL1	73
18	ok	P SCL3	F7
19	ok	P SCL4	1F
20	ok	P SBLED	BB
21	ok	P OFF	FB
22	ok	P DEFL	03
23	ok	P RAM	

SELBSTDIAGNOSE

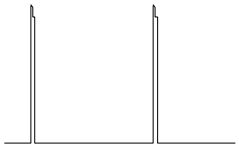
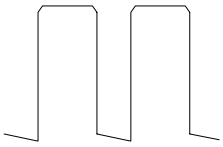
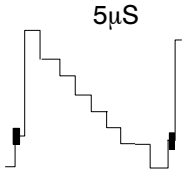
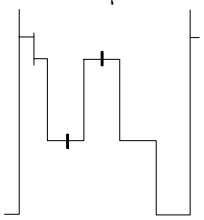
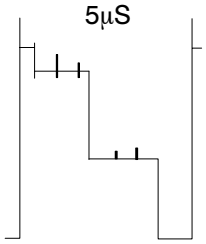
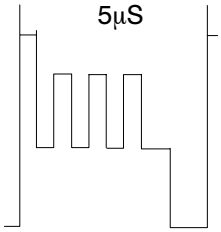
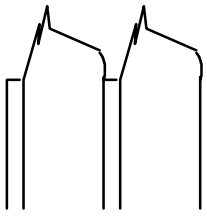
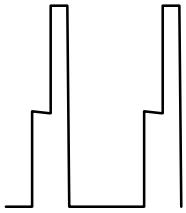
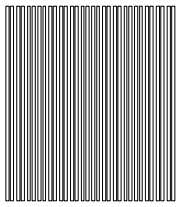
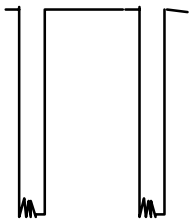
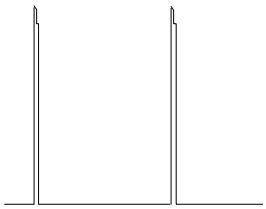
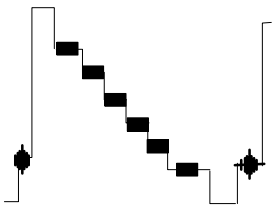
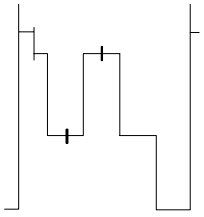
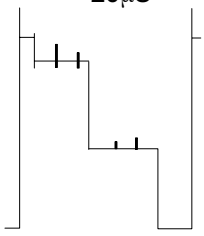
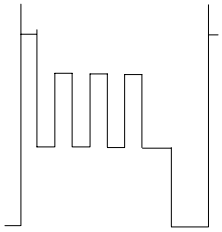
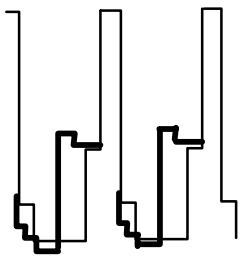
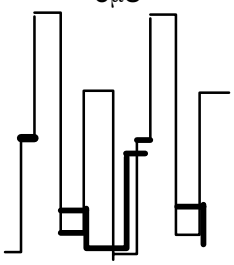
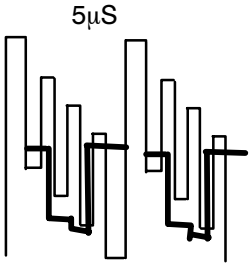
1) Die Selbstdiagnose dient zum automatischen Prüfen der Bus–Leitungen sowie des Hexadezimalcodes des FS–Geräts.
Um das Gerät in den Selbstdiagnose–Modus (Self–Check) zu versetzen, halten sie die STATUS–Taste auf der Fernbedienung gedrückt und drücken sie zusätzlich die Taste –/v im Bedienteil des TV–Gerätes. Auf dem Bildschirm erscheinen folgende Informationen.
2) Nach der Selbstdiagnose wird das Gerät automatisch auf sämtliche werksseitigen Standardeinstellungen zurückgesetzt.

0	ok	Tuner	8	–– Dolby Sub
1	ok	ZF–Verstärker	9	–– Dolby IC for L/R
2	ok	EEPROM	10	–– Dolby IC for C/R
3	ok	Audio AV–Schalter 1	11	ok P S MODE
4	ok	Video AV switch1	12	ok P TA0
5	ok	Video AV–Schalter 1	13	ok P TA1
6	ok	Video AV–Schalter 2	14	ok P TA2
7	ok	MSP	15	ok P TA3

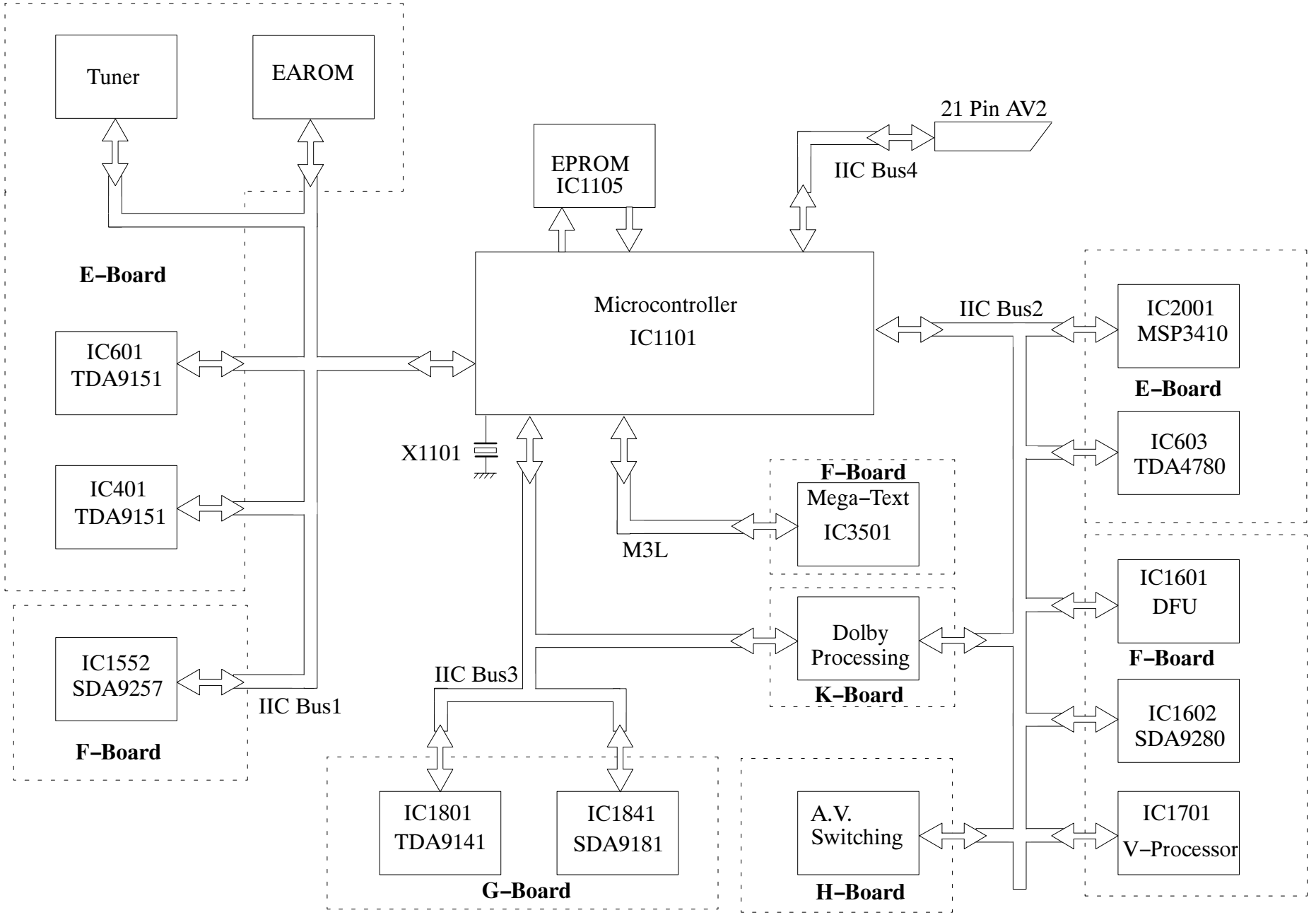
Wenn der Hauptprozessor (CCU) an den Anschlüssen einen Fehler erkennt, oder der entsprechende Anschluss nicht belegt ist, zeigt die entsprechende Position – – anstelle von OK an.

			Hexadezimalcode
16	ok	P SDA	09
17	ok	P SCL1	73
18	ok	P SCL3	F7
19	ok	P SCL4	1F
20	ok	P SBLED	BB
21	ok	P OFF	FB
22	ok	P DEFL	03
23	ok	P RAM	

WAVEFORM PATTERN TABLE
SIGNAL TABELLE

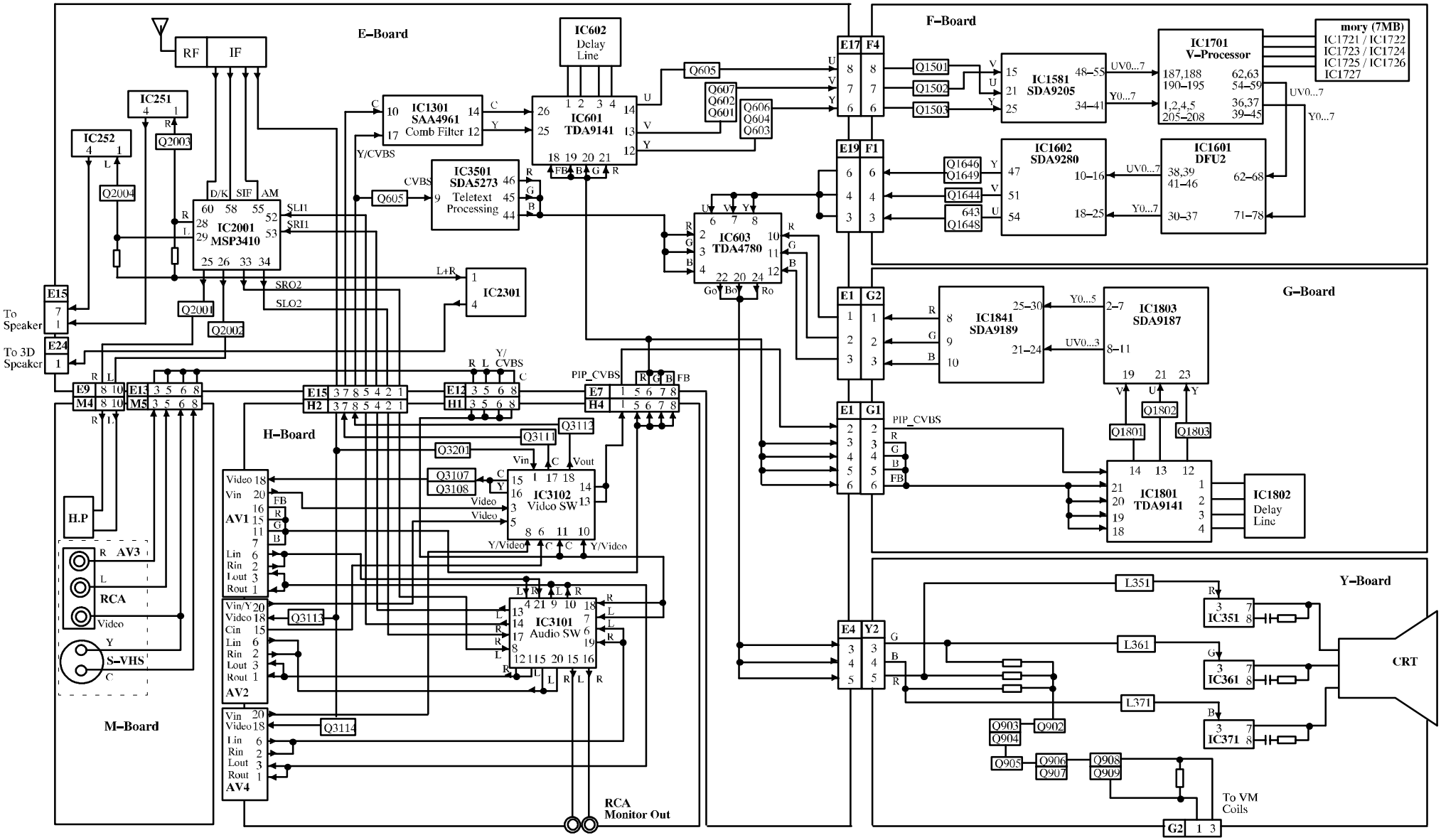
IC 3501 PIN3 1μS 	IC 3501 PIN4 1μS 	IC601 PIN25 5μS 	IC601 PIN26 5μS 
Q552 COLLECTOR 20μS 	IC 603 PIN 20 5μS 	IC 603 PIN 24 5μS 	IC 603 PIN 22 5μS 
Q502 COLLECTOR 64μS 	IC 1801 PIN 10 20μS 	IC 1803 PIN 12 20μS 	IC 1803 PIN 1 20μS 
IC 1841 PIN 10 5μS 	IC 1801 PIN 26 5μS 	IC 371 PIN 3 20μS 	IC 351 PIN 3 20μS 
IC 361 PIN 3 20μS 	TPY1 5μS 	TPY2 5μS 	TPY3 5μS 

CONTROL BLOCK DIAGRAM



VIDEO AND AUDIO SIGNAL PROCESSING BLOCK DIAGRAM

BILDSIGNAL / TONSIGNAL BLOCKSCHEMA



SCHEMATIC DIAGRAM FOR MODELS TX−W32D2F (Euro−3HW Chassis)

IMPORTANT SAFETY NOTICE

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes

1. RESISTOR
   All resistors are carbon ¼W resistor, unless marked as follows:
   Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).

2. CAPACITORS
   All capacitors are ceramic 50V, unless marked as follows:
   Unit of capacitance is μF, unless otherwise stated.

3. COIL
   Unit of inductance is μH, unless otherwise stated.

4. Components marked 'L' on the schematic diagram shows leadless parts.

5. TEST POINT
   Test Point Position

6. EARTH SYMBOL
   Chassis Earth Cold Line Earth Hot

7. VOLTAGE MEASUREMENT
   Voltage is measured by a DC voltmeter.
   Measurement conditions are as follows:

Power source	AC 220V−240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

8.
   Indicates the video signal path
   Indicates the Audio signal path
   Indicates the Vertical/Horizontal path

9. This schematic diagram is the latest at the time of printing and is subject to change without notice.

Remarks

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD. Take the following precautions:

Precautions

a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
b. Do not short−circuit the hot and cold circuits as electrical components may be damaged.
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
d. Make sure to disconnect the power plug before removing the chassis.

ZEICHENERKLÄRUNG FÜR MODELL TX−W32D2F (Euro−3HW Chassis)

WICHTIGER SICHERHEITSHINWEIS

Teile, die mit einen Hinweis ⚠ gekennzeichnet sind, sind wichtig für die Sicherheit. Sollte ein Auswechseln erforderlich sein, sind unbedingt Originalteile einzusetzen.

Anmerkung

1. WIDERSTANDE
   Alle ¼Watt Widerstände sind Kohlewiderstände, Abweichungen sind folgt gekennzeichnet.
   Die Maßeinheit ist OHM (Ω) (K=1,000 M=1,000,000)

2. KONDENSATOREN
   Alle Kondensatoren sind Keramikausfürungen Spannungsfestigkeit 50V. Abweichungen sind wie folgt gekennzeichnet.
   Die Maßeinheit ist μF, wenne keine andersen Bezeichnungen gennant sind.

3. SPULEN
   Die Maßeinheit ist μH,Abweichungen sind gekennzeichnet.
4. Mit 'L' gekennzeichnete Teile sind ohne Anschlußdrähte.
5. TESTPUNKE
   Kennzeichnung der Testpunktposition

6. MASSE SYMBOL
   Erdung am Chassis Erdung an Masse−Leitung

7. SPANNUNGSMESSUNG
   Spannungsmessungen sind mit einem DC−Voltmeter durchzuführen. Die Meßbedingungen sind folgende:

Netzspannung	AC 220V−240V 50Hz
Wiedregabe Signal	Farbbalken−Testbild
Alle übrigen Einstellungen für Benutzer	Sollangaben

8.
   Videosignalweg
   Audiosignalweg
   Signalweg für Hor/Vert. Synchronsignale

9. Anderungen im Laufe der Fertigung sind möglich.

Bemerkungen

1. Das Schaltnetzteil enthält Bereiche, die direkt mit dem Netz verbunden sind. Diese Bereiche sind im Schalplan mit HOT gekennzeichnet. Alle anderen Schaltungen sin mit COLD gekennzeichnet und Haben keine direkte Verbindung mit dem netz.

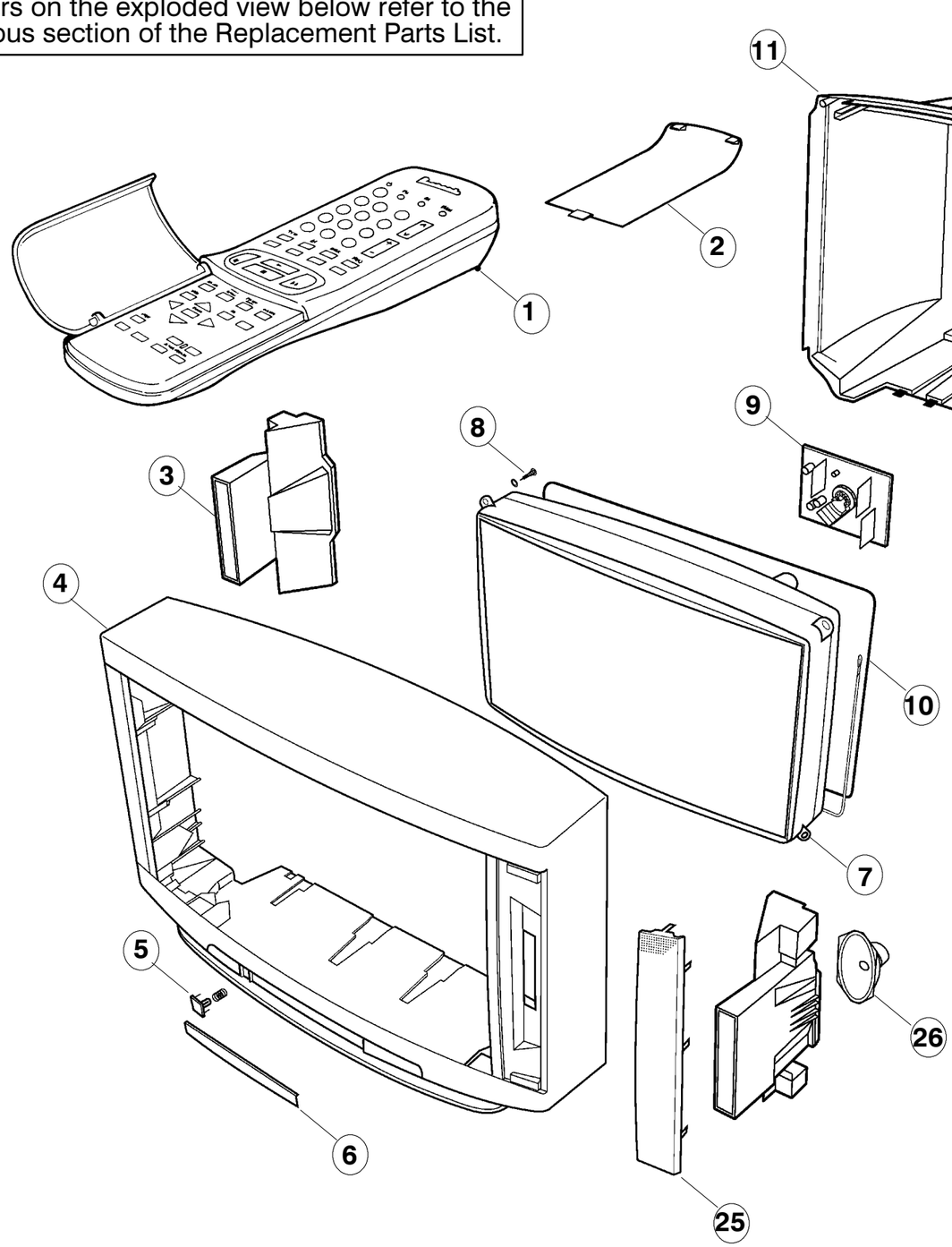
Für den netzverbundenen Bereich (HOT) sind folgende Vorsichtsmassregein zu beachten:

a. Weder die Leitungen im heißen noch Leitungen im heißen und im kalten Bereich gleichzeitig berühren. Es besteht die Gefahr eines elektrischen Schlages.
b. Keinesfalls die Leitungen im heißen Bereich mit denen im kalten Bereich verbinden oder kurzschliessen. Dies kann zur Zerstörung von Bauteilen oder Sicherungen führen. Außerdem ist die elektrische Betriebssicherheit des Gerätes nicht mehr gegeben.
c. Keine Messinstrumente gleichzeitig an Leitungen im heissen und kalten Bereich anschliessen. Sicherungen könnten zerstört werden. Die Erde des Messinstrumentes immer mit der des zu prüfenden Schaltkreises verbinden.
d. Vor Ausbau des Chassis, Stecker aus der Netzsteckdose ziehen.

PARTS LOCATION EXPLOSIONSZEICHNUNG

NOTE :
The numbers on the exploded view below refer to the miscellaneous section of the Replacement Parts List.

Anmerking :
Die Nummer auf den mechanischen Teilen zeigt die Bezugsnummer der Ersatzteilliste an.



REPLACEMENT PARTS LIST

Important Safety Notice
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

ERSATZTEILLISTE

Wichtiger Sicherheitshinwels
Teile, die mit einen Hinweis ⚠gekennzeichnet sind, sind wichtig für die Sicherhet. Solite ein Auswechsein erforderlich sein, sind unbdingt Originalteile einzusetzen..

Ref No.	Part No.	Description	
		MISCELLANEOUS COMPONENTS	
1)	EUR51922	REMOTE CONTROL	
2)	UR51EC780	BATTERY COVER (REMOTE)	
3)	TKK8E026	SPEAKER REFLECTOR	
4)	TKY8E110	CABINET	⚠
5)	TBX8E033	POWER BUTTON	
6)	TKP8E1149	LID	
7)	W76LFC185X05	CRT	⚠
8)	THT1062	CRT FIXING SCREW	
9)	TNPA0292AA	Y P.C.B.	⚠
10)	TLK8E05123	DEGAUSS COIL	⚠
11)	TKU8E00290	BACK COVER	⚠
12)	TBM8E1536	MODEL LABEL	
13)	TSX8E0020	POWER CORD	⚠
14)	TKP8E1153	AV COVER	
15)	TNPA0295AA	D P.C.B.	⚠
16)	TMX8E014	CHASSIS FRAME	
17)	TNPA0291AA	M P.C.B.	⚠
18)	TMW8E023	CONTROL BRACKET	
19)	TNPA0294AA	F P.C.B.	⚠
20)	TNPA0297AA	G P.C.B.	⚠
21)	TNPH0063AA	E P.C.B.	⚠
22)	TNPA0317AA	B P.C.B.	⚠
23)	TNPA0293AA	H P.C.B.	⚠
24)	ENV57D03G3	TUNER	⚠
25)	TKP8E1148	NET	
26)	EAGG1218F2	SPEAKER	
27)	EAB10102B2	3D SPEAKER	
	TLK8E05124	GEOMAGNETIC CORRECTION	
	TMX8E015	PCB SUPPORT BRACKET	
	832AG11D−ESL	I.C.SOCKET	
	TBM173052	PANASONIC BADGE	
	TBM8E1532−1	PRESET PANEL	
	TEK6940	LID CATCHER	
	TKP8E1150	FRONT PANEL (LEFT)	
	TKP8E1160	FRONT PANEL (RIGHT)	
	TQB8E2219A	GERMAN INST BOOK	⚠
	TQB8E2219B	DUTCH INST BOOK	⚠
	TQB8E2219C	ITALIAN INST BOOK	⚠
	TQB8E2219D	FRENCH INST BOOK	⚠
	TQB8E2219E	SPANISH INST BOOK	⚠
	TQB8E2219F	SWEDISH INST BOOK	⚠
	TQB8E2219G	NORWEGIAN INST BOOK	⚠
	TQB8E2219H	SUOMI INST BOOK	⚠
	TQB8E2219J	PORTUGUESE INST BOOK	⚠
	TQB8E2219K	DANISH INST BOOK	⚠
	TQA8E2023	SCHEMATIC DIAGRAM (ITALY)	⚠
	TQB8E2221	ALIGNMENT (ITALY)	⚠
	TMW8E017	L.E.D.HOLDER	
	TPC8E4538	OUTER CARTON	
	TPD8E621	TOP CUSHION	
	TPD8E622	BOTTOM CUSHION	
	ECKC1H103JB	CERAMIC 50V 10nF	
	ERC12GK825	SOLID 0.5W 10% 8MΩ	
	PCS−068A−1	68 PIN I.C.SOCKET	
	UM−3DEP−2P	BATTERY	

Ref No.	Part No.	Description		
		CAPACITORS		
C002	ECUV1H102JCX	S.M.CAP	50V	1nF
C003	ECA1HM101GB	ELECT	50V	100pF
C004	ECUV1H102JCX	S.M.CAP	50V	1nF
C005	ECUV1H102JCX	S.M.CAP	50V	1nF
C006	ECUV1H102JCX	S.M.CAP	50V	1nF
C007	ECUV1H102JCX	S.M.CAP	50V	1nF
C009	ECA1HMR22GB	ELECT	50V	0.22μF
C010	ECUV1H102KBX	S.M.CAP	50V	1nF
C014	ECUV1H103ZFX	S.M.CAP	50V	10nF
C015	ECUV1H390JCX	S.M.CAP	50V	39pF
C016	ECUV1H390JCX	S.M.CAP	50V	39pF
C017	ECA1CM470GB	ELECT	16V	47μF
C019	ECUV1H561JCX	S.M.CAP	50V	560pF
C020	ECUV1H103ZFX	S.M.CAP	50V	10nF
C022	ECUV1H103ZFX	S.M.CAP	50V	10nF
C023	ECUV1H681JCX	S.M.CAP	50V	680pF
C024	ECUV1H103ZFX	S.M.CAP	50V	10nF
C025	ECUV1H101JCX	S.M.CAP	50V	100pF
C026	ECUV1H681JCX	S.M.CAP	50V	680pF
C101	ECUV1H104ZFX	S.M.CAP	50V	100nF
C106	ECUV1H104ZFX	S.M.CAP	50V	100nF
C108	ECUV1H104ZFX	S.M.CAP	50V	100nF
C109	ECUV1H104ZFX	S.M.CAP	50V	100nF
C111	ECUV1H103ZFX	S.M.CAP	50V	10nF
C113	ECUV1H393KBX	S.M.CAP	50V	39nF
C115	ECUV1H104ZFX	S.M.CAP	50V	100nF
C116	ECUV1H030CPX	S.M.CAP	50V	30pF
C117	ECUV1H070DTX	S.M.CAP	50V	70pF
C118	ECEA1CKA100	ELECT	16V	10μF
C120	ECEA1HKA2R2	ELECT	50V	2.2μF
C121	ECEA1HKA2R2	ELECT	50V	2.2μF
C122	ECUV1C105ZFX	S.M.CAP	16V	1000nF
C123	ECEA1HKA2R2	ELECT	50V	2.2μF
C124	ECUV1H471JCX	S.M.CAP	50V	470pF
C125	ECUV1H104ZFX	S.M.CAP	50V	100nF
C126	ECUV1H104ZFX	S.M.CAP	50V	100nF
C127	ECEA1CKA100	ELECT	16V	10μF
C128	ECUV1H102KBX	S.M.CAP	50V	1nF
C129	ECEA1CKA100	ELECT	16V	10μF
C130	ECUV1H104ZFX	S.M.CAP	50V	100nF
C131	ECUV1H102KBX	S.M.CAP	50V	1nF
C132	ECUV1H102KBX	S.M.CAP	50V	1nF
C133	ECUV1H102KBX	S.M.CAP	50V	1nF
C134	ECUV1H104ZFX	S.M.CAP	50V	100nF
C135	ECEA1CKA100	ELECT	16V	10μF
C136	ECUV1H104ZFX	S.M.CAP	50V	100nF
C137	ECUV1H100DCX	S.M.CAP	50V	10pF
C138	ECUV1H151JCX	S.M.CAP	50V	150pF
C139	ECUV1H104ZFX	S.M.CAP	50V	100nF
C140	ECUV1H151JCX	S.M.CAP	50V	150pF
C142	ECUV1H100DCX	S.M.CAP	50V	10pF
C143	ECUV1H220JCX	S.M.CAP	50V	22pF
C144	ECUV1H151JCX	S.M.CAP	50V	150pF
C145	ECUV1H151JCX	S.M.CAP	50V	150pF
C146	ECUV1H120JCX	S.M.CAP	50V	12pF
C148	ECUV1H103ZFX	S.M.CAP	50V	10nF
C150	ECEA1CKA100	ELECT	16V	10μF
C151	ECUV1H104ZFX	S.M.CAP	50V	100nF
C152	ECUV1H104ZFX	S.M.CAP	50V	100nF
C153	ECUV1H080CCX	S.M.CAP	50V	80pF

Ref No.	Part No.		Description		
C251	ECQM1H474J	FILM	50V	470nF	
C252	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C254	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C255	ECEA1CN100	ELECT	16V	10μF	
C256	ECA1HM330B	ELECT	50V	33pF	
C257	ECA1HM100GB	ELECT	50V	10pF	
C258	ECQM1H474J	FILM	50V	470nF	
C259	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C261	ECUV1H101JCX	S.M.CAP	50V	100pF	
C262	ECEA1CN100	ELECT	16V	10μF	
C263	ECA1HM330B	ELECT	50V	33pF	
C264	ECA1HM100GB	ELECT	50V	10pF	
C267	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C268	ECUV1H223ZFX	S.M.CAP	50V	22nF	
C269	ECA1EM222GB	ELECT	25V	2.2nF	
C270	ECA1EM222GB	ELECT	25V	2.2nF	
C271	ECA1HM010GB	ELECT	50V	1pF	
C272	ECA1HM010GB	ELECT	50V	1pF	
C273	ECA1HM010GB	ELECT	50V	1pF	
C274	ECA1HM010GB	ELECT	50V	1pF	
C275	ECUV1C184KBX	S.M.CAP	16V	0.18μF	
C276	ECUV1C184KBX	S.M.CAP	16V	0.18μF	
C277	ECEA1HU471	ELECT	50V	470μF	
C281	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C282	ECUV1H561JCX	S.M.CAP	50V	560pF	
C283	ECUV1H561JCX	S.M.CAP	50V	560pF	
C352	ECUV1H224ZFX	S.M.CAP	50V	0.22μF	
C353	ECUV1H103KBX	S.M.CAP	50V	10nF	
C354	ECKC2H103J	CERAMIC	50V	10nF	⚠
C355	ECKC2H102J	CERAMIC	500V	1nF	⚠
C362	ECUV1H224ZFX	S.M.CAP	50V	0.22μF	
C363	ECUV1H103KBX	S.M.CAP	50V	10nF	
C364	ECKC2H103J	CERAMIC	50V	10nF	⚠
C365	ECKC2H102J	CERAMIC	500V	1nF	⚠
C372	ECUV1H224ZFX	S.M.CAP	50V	0.22μF	
C373	ECUV1H103KBX	S.M.CAP	50V	10nF	
C374	ECKC2H103J	CERAMIC	50V	10nF	⚠
C375	ECKC2H102J	CERAMIC	500V	1nF	⚠
C381	ECA1HM101GB	ELECT	50V	100pF	
C382	ECA0JM471GB	ELECT	6.3V	470pF	
C383	ECUV1H103KBX	S.M.CAP	50V	10nF	
C384	ECQM2104KZ	FILM	250V	100nF	
C385	ECEA2EU220	ELECT	250V	22μF	
C386	ECKC3D152J	CERAMIC	2KV	1.5nF	⚠
C395	ECQM1H104J	FILM	50V	100nF	
C402	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C403	ECA1AM332E	ELECT	10V	3.3nF	
C404	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C405	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C406	ECUV1H471JCX	S.M.CAP	50V	470pF	
C409	ECUV1H101JCX	S.M.CAP	50V	100pF	
C413	ECUV1H561KBX	S.M.CAP	50V	560pF	
C451	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C452	ECA1EM332E	ELECT	25V	3.3nF	
C453	ECEA1HU101	ELECT	50V	100μF	
C455	ECEA1HN100	ELECT	50V	10μF	
C456	ECQV1104JZ3	FILM	100V	100nF	
C457	ECUV1H102JCX	S.M.CAP	50V	1nF	
C461	ECUV1C224KBX	S.M.CAP	16V	220nF	
C462	ECKC3A471J	CERAMIC	1KV	470pF	⚠
C463	ECUV1H102KBX	S.M.CAP	50V	1nF	
C464	ECKC1H102J	CERAMIC	50V	1000pF	
C501	ECQM1H224J	FILM	50V	220nF	
C502	ECQM2683JZ	FILM	250V	68nF	
C503	ECKC2H102J	CERAMIC	500V	1nF	⚠
C504	ECQB1H223K	FILM	50V	22nF	
C506	ECKC2H102J	CERAMIC	500V	1nF	⚠
C552	TAC4S6T102JC	CERAMIC	1500V	1nF	
C553	ECQP1223JZW	FILM	100V	22nF	
C555	TAC4R6T622JC	CERAMIC	1500V	6.2nF	
C556	ECEA2CNR47SB	ELECT	160V	R47μF	

Ref No.	Part No.		Description		
C557	ECKC2H331J	CERAMIC	500V	330pF	⚠
C558	ECA2EM330B	ELECT	250V	33pF	
C559	ECKC2H101J	CERAMIC	500V	100pF	⚠
C560	ECA1EM332E	ELECT	25V	3.3nF	
C561	ECKC2H561J	CERAMIC	500V	560pF	⚠
C562	ECA1JM220B	ELECT	63V	22pF	
C563	TAC7A2D564JC	CERAMIC	200V	0.56μF	
C564	ECKC1H472J	CERAMIC	50V	4.7nF	
C565	ECQP1223JZW	FILM	100V	22nF	
C571	ECQV1H105JZ	FILM	50V	1μF	
C572	TAC4R6T682JC	CERAMIC	1500V	6.8nF	
C573	ECQF4153JZH	FILM	400V	15nF	
C574	TAC1114Z564A	CERAMIC	400V	0.56μF	
C575	TAC1114Z564A	CERAMIC	400V	0.56μF	
C577	TAC1114Z105A	CERAMIC	400V	1μF	
C580	ECKC1H103JB	CERAMIC	50V	10nF	
C581	ECQF4153JZH	FILM	400V	15nF	
C584	ECKC3D391J	CERAMIC	2KV	390pF	⚠
C585	ECKC3A471J	CERAMIC	1KV	470pF	⚠
C586	ECKC1H103JB	CERAMIC	50V	10nF	
C601	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C602	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C603	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C604	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C605	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C606	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C608	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C609	ECUV1H180JCX	S.M.CAP	50V	18pF	
C610	ECUV1H150JCX	S.M.CAP	50V	15pF	
C611	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C612	ECUV1H332ZFX	S.M.CAP	50V	3.3nF	
C613	ECUV1C474ZFX	S.M.CAP	16V	0.47μF	
C614	ECUV1H332ZFX	S.M.CAP	50V	3.3nF	
C615	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C616	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C617	ECA1CM220GB	ELECT	16V	22μF	
C618	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C619	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C620	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C621	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C622	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C623	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C624	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C625	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C626	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C627	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C628	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C629	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C630	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C631	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C632	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C633	ECUV1H470JCX	S.M.CAP	50V	47pF	
C634	ECA1AM221GB	ELECT	10V	220pF	
C635	ECA1HM220GB	ELECT	50V	22pF	
C636	ECA1HM010GB	ELECT	50V	1pF	
C637	ECQM1H224J	FILM	50V	220nF	
C638	ECA1HM010GB	ELECT	50V	1pF	
C639	ECQM1H224J	FILM	50V	220nF	
C640	ECQM1H224J	FILM	50V	220nF	
C641	ECQM1H224J	FILM	50V	220nF	
C642	ECA1AM470GB	ELECT	10V	47pF	
C643	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C644	ECA1CM470GB	ELECT	16V	47μF	
C645	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C646	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C647	ECEA1CN470	ELECT	16V	47μF	
C648	ECEA1CN470	ELECT	16V	47μF	
C651	ECUV1H820JCX	S.M.CAP	50V	82pF	
C654	ECUV1H393KBX	S.M.CAP	50V	39nF	
C655	ECUV1E563KBX	S.M.CAP	25V	56nF	
C657	ECUV1C474ZFX	S.M.CAP	16V	0.47μF	

Ref No.	Part No.	Description			
C659	ECUV1H821KBX	S.M.CAP	50V	820pF	
C661	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C662	ECUV1H470JCX	S.M.CAP	50V	47pF	
C663	ECUV1H150JCX	S.M.CAP	50V	15pF	
C703	ECUV1C224KBX	S.M.CAP	16V	220nF	
C752	ECKC2H103J	CERAMIC	50V	10nF	⚠
C803	ECQE2A474MWB	FILM	100V	0.47μF	
C804	222233510154			0.15μF	
C806	ECQE6104K	FILM	600V	100nF	⚠
C807	ECQB1H473K	FILM	50V	47nF	
C808	ECQB1H333J	FILM	50V	33nF	
C810	222233510154			0.15μF	
C811	ECQB1H104J	FILM	50V	100nF	
C812	ECQB1H222J	FILM	50V	2200pF	
C813	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C814	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C815	ECA1CM331B	ELECT	16V	330pF	
C816	ECQB1H122J	FILM	50V	1.2nF	
C817	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C818	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C819	ECOS2GA181DB	ELECT	400V	180pF	
C820	ECOS2GA181DB	ELECT	400V	180pF	
C821	ECQB1H222J	FILM	50V	2200pF	
C822	ECKC3D102J	CERAMIC	2KV	1nF	⚠
C823	EEUFA1V221B		35V	220pF	
C824	ECQB1H121KF3	FILM	50V	0pF	
C826	ECQB1H473K	FILM	50V	47nF	
C827	ECKCNS332J	CERAMIC	1.2KV	3.3nF	⚠
C830	ECQE4105JFW	FILM	400V	1μF	
C831	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C833	ECQB1H682K	FILM	50V	6.8nF	
C834	ECQB1H471KF3	FILM	50V	470pF	
C835	ECQB1H152K	FILM	50V	1.5nF	
C849	ECKC2H471J	CERAMIC	500V	470pF	⚠
C851	ECQM1H104J	FILM	50V	100nF	
C852	ECKC3D102J	CERAMIC	2KV	1nF	⚠
C853	ECA1CM471GB	ELECT	16V	470pF	
C854	ECA1EM471GB	ELECT	25V	470pF	
C855	ECEA1HU102	ELECT	50V	1000μF	
C856	ECEA1HU471	ELECT	50V	470μF	
C857	ECA1EM471GB	ELECT	25V	470pF	
C858	ECOS2EA271BB	ELECT	250V	270pF	
C859	ECKC2H471J	CERAMIC	500V	470pF	⚠
C861	ECOS2EA221AB	ELECT	250V	220μF	
C863	ECA1EM222GB	ELECT	25V	2.2nF	
C864	ECA0JM102GB	ELECT	6.3V	1nF	
C866	ECA1HM101GB	ELECT	50V	100pF	
C867	ECA1CM222GB	ELECT	16V	2200μF	
C868	ECA1CM100GB	ELECT	16V	10pF	
C871	ECA0JM102GB	ELECT	6.3V	1nF	
C872	ECA1CM222GB	ELECT	16V	2200μF	
C901	ECUV1H030CCX	S.M.CAP	50V	30pF	
C902	ECA1VM101GB	ELECT	35V	100pF	
C903	ECA1CM470GB	ELECT	16V	47μF	
C904	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C905	ECA1CM100GB	ELECT	16V	10pF	
C906	ECUV1H151JCX	S.M.CAP	50V	150pF	
C908	ECUV1H151JCX	S.M.CAP	50V	150pF	
C909	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C910	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C911	ECUV1H151JCX	S.M.CAP	50V	150pF	
C912	ECEA2EU220	ELECT	250V	22μF	
C913	ECA1HM101GB	ELECT	50V	100pF	
C914	ECA1HM101GB	ELECT	50V	100pF	
C915	ECA1CM471GB	ELECT	16V	470pF	
C916	ECEA2EU220	ELECT	250V	22μF	
C917	ECA1HM100GB	ELECT	50V	10pF	
C918	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C919	ECCR2H270J	CERAMIC	500V	27pF	
C1051	ECKC1H101J	CERAMIC	50V	100pF	
C1052	ECA1VM470B	ELECT	35V	47pF	

Ref No.	Part No.	Description		
C1053	ECKC1H103JB	CERAMIC	50V	10nF
C1102	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1103	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1104	ECA0JM101G	ELECT	6.3V	100pF
C1105	ECUV1H330JCX	S.M.CAP	50V	33pF
C1106	ECUV1H330JCX	S.M.CAP	50V	33pF
C1107	ECUV1H391JCX	S.M.CAP	50V	390pF
C1108	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1109	ECUV1H472KBX	S.M.CAP	50V	4.7nF
C1110	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1111	ECUV1H101JCX	S.M.CAP	50V	100pF
C1112	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1113	ECUV1H102JCX	S.M.CAP	50V	1nF
C1114	ECUV1H102JCX	S.M.CAP	50V	1nF
C1115	ECUV1H102JCX	S.M.CAP	50V	1nF
C1126	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1127	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1129	ECA1AM470GB	ELECT	10V	47pF
C1130	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1131	ECUV1H101JCX	S.M.CAP	50V	100pF
C1133	ECUV1C184KBX	S.M.CAP	16V	0.18μF
C1134	ECUV1H103KBX	S.M.CAP	50V	10nF
C1135	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1136	ECUV1H101JCX	S.M.CAP	50V	100pF
C1137	ECUV1H102KBX	S.M.CAP	50V	1nF
C1138	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1302	ECUV1H150JCX	S.M.CAP	50V	15pF
C1304	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1305	ECA1HM101GB	ELECT	50V	100pF
C1306	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1307	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1308	ECA1HM101GB	ELECT	50V	100pF
C1309	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1310	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1311	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1312	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1313	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1314	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1315	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1316	ECA1HM101GB	ELECT	50V	100pF
C1317	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1318	ECA1HM101GB	ELECT	50V	100pF
C1321	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1322	ECUV1H101JCX	S.M.CAP	50V	100pF
C1323	ECA1HM101GB	ELECT	50V	100pF
C1324	ECA1HM101GB	ELECT	50V	100pF
C1325	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1326	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1327	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1508	ECUV1H103KBX	S.M.CAP	50V	10nF
C1509	ECA1CM100GB	ELECT	16V	10pF
C1518	ECA1HM101GB	ELECT	50V	100pF
C1519	ECA1CM470GB	ELECT	16V	47μF
C1520	ECA1CM470GB	ELECT	16V	47μF
C1521	ECUV1H390JCX	S.M.CAP	50V	39pF
C1524	ECUV1H221JCX	S.M.CAP	50V	220pF
C1525	ECUV1H391JCX	S.M.CAP	50V	390pF
C1528	ECUV1H390JCX	S.M.CAP	50V	39pF
C1529	ECUV1H221JCX	S.M.CAP	50V	220pF
C1531	ECUV1H391JCX	S.M.CAP	50V	390pF
C1532	ECUV1H151JCX	S.M.CAP	50V	150pF
C1533	ECUV1H750JCX	S.M.CAP	50V	75pF
C1534	ECUV1H391JCX	S.M.CAP	50V	390pF
C1537	ECA0JM102GB	ELECT	6.3V	1nF
C1552	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1554	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1555	ECA0JM331GB	ELECT	6.3V	330pF
C1556	ECUV1H270JCX	S.M.CAP	50V	27pF
C1557	ECUV1H270JCX	S.M.CAP	50V	27pF
C1559	ECUV1H103KBX	S.M.CAP	50V	10nF
C1560	ECUV1H103KBX	S.M.CAP	50V	10nF

Ref No.	Part No.	Description		
C1561	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1562	ECA0JM331GB	ELECT	6.3V	330pF
C1564	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1575	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1576	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1577	ECA1CM470GB	ELECT	16V	47μF
C1579	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1580	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1583	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1584	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1585	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1586	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1588	ECA1CM470GB	ELECT	16V	47μF
C1590	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1591	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1592	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1593	ECA1CM470GB	ELECT	16V	47μF
C1594	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1595	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1596	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1599	ECA1CM470GB	ELECT	16V	47μF
C1601	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1602	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1603	ECUV1H103KBX	S.M.CAP	50V	10nF
C1604	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1605	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1606	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1607	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1608	ECA1CM470GB	ELECT	16V	47μF
C1610	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1611	ECUV1H103KBX	S.M.CAP	50V	10nF
C1612	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1613	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1614	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1615	ECUV1H101JCX	S.M.CAP	50V	100pF
C1616	ECUV1H152JCX	S.M.CAP	50V	1.5pF
C1617	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1618	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1619	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1620	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1621	ECA1CM470GB	ELECT	16V	47μF
C1622	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1625	ECA1CM470GB	ELECT	16V	47μF
C1641	ECA1CM470GB	ELECT	16V	47μF
C1642	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1701	ECA1CM470GB	ELECT	16V	47μF
C1702	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1703	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1704	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1705	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1706	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1707	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1708	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1709	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1710	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1711	ECUV1H103KBX	S.M.CAP	50V	10nF
C1712	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1713	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1714	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1721	ECA1CM470GB	ELECT	16V	47μF
C1722	ECA1CM470GB	ELECT	16V	47μF
C1723	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1724	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1725	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1726	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1727	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1728	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1729	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1730	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1731	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1732	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1733	ECUV1H104ZFX	S.M.CAP	50V	100nF

Ref No.	Part No.	Description		
C1734	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1735	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1736	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1740	ECUV1H102KBX	S.M.CAP	50V	1nF
C1801	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1802	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1803	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1804	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1805	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1806	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1807	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1808	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1809	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1810	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1811	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1812	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1813	ECUV1H332KBX	S.M.CAP	50V	3.3nF
C1814	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1815	ECUV1H180JCX	S.M.CAP	50V	18pF
C1816	ECUV1H150JCX	S.M.CAP	50V	15pF
C1817	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1818	ECUV1H331JCX	S.M.CAP	50V	330pF
C1819	ECUV1H331JCX	S.M.CAP	50V	330pF
C1820	ECUV1H680JCX	S.M.CAP	50V	68pF
C1821	ECUV1H103KBX	S.M.CAP	50V	10nF
C1822	ECUV1H103KBX	S.M.CAP	50V	10nF
C1823	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1824	ECA1AM470GB	ELECT	10V	47pF
C1825	ECQB1H563K	FILM	50V	56nF
C1826	ECUV1H152KBX	S.M.CAP	50V	1.5pF
C1827	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1828	ECA1HM010GB	ELECT	50V	1pF
C1829	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1840	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1843	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1845	ECA1AM470GB	ELECT	10V	47pF
C1846	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1861	ECKC1H561J	CERAMIC	50V	560pF
C1862	ECKC1H561J	CERAMIC	50V	560pF
C1865	ECEA1CN470	ELECT	16V	47μF
C1881	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1882	ECA1AM470GB	ELECT	10V	47pF
C1887	ECA1HM101GB	ELECT	50V	100pF
C1888	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1891	ECUV1H332KBX	S.M.CAP	50V	3.3nF
C1892	ECUV1C104KBX	S.M.CAP	16V	0.10μF
C1894	ECA1AM470GB	ELECT	10V	47pF
C1895	ECA1AM470GB	ELECT	10V	47pF
C1896	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1897	ECA1AM330GB	ELECT	10V	33pF
C1901	ECQM1H474J	FILM	50V	470nF
C1902	ECQM1H474J	FILM	50V	470nF
C1903	ECA1EM470GB	ELECT	25V	47pF
C1904	ECKC1H103JB	CERAMIC	50V	10nF
C2001	ECA1CM100GB	ELECT	16V	10pF
C2002	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2003	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2004	ECUV1H102JCX	S.M.CAP	50V	1nF
C2005	ECUV1H391JCX	S.M.CAP	50V	390pF
C2006	ECUV1H391JCX	S.M.CAP	50V	390pF
C2007	ECUV1H102JCX	S.M.CAP	50V	1nF
C2008	ECUV1H102JCX	S.M.CAP	50V	1nF
C2009	ECUV1H102JCX	S.M.CAP	50V	1nF
C2010	ECUV1H102JCX	S.M.CAP	50V	1nF
C2011	ECUV1H102JCX	S.M.CAP	50V	1nF
C2012	ECUV1H102JCX	S.M.CAP	50V	1nF
C2014	ECQM1H334J	FILM	50V	330nF
C2017	ECA1CM100GB	ELECT	16V	10pF
C2018	ECA1CM100GB	ELECT	16V	10pF
C2019	ECA1HM101GB	ELECT	50V	100pF
C2020	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2021	ECUV1H104ZFX	S.M.CAP	50V	100nF

Ref No.	Part No.		Description	
C2022	ECA1HM3R3GB	ELECT	50V	3.3μF
C2023	ECUV1H471JCX	S.M.CAP	50V	470pF
C2024	ECUV1H471JCX	S.M.CAP	50V	470pF
C2025	ECUV1H221JCX	S.M.CAP	50V	220pF
C2026	ECUV1H221JCX	S.M.CAP	50V	220pF
C2027	ECUV1H221JCX	S.M.CAP	50V	220pF
C2028	ECUV1H221JCX	S.M.CAP	50V	220pF
C2029	ECUV1H221JCX	S.M.CAP	50V	220pF
C2030	ECUV1H221JCX	S.M.CAP	50V	220pF
C2031	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2032	ECA1CM100GB	ELECT	16V	10pF
C2034	ECUV1H070DCX	S.M.CAP	50V	7pF
C2035	ECUV1H560JCX	S.M.CAP	50V	56pF
C2036	ECUV1H100DCX	S.M.CAP	50V	10pF
C2037	ECUV1H220JCX	S.M.CAP	50V	22pF
C2039	ECUV1H070DCX	S.M.CAP	50V	7pF
C2040	ECUV1H560JCX	S.M.CAP	50V	56pF
C2041	ECUV1H560JCX	S.M.CAP	50V	56pF
C2042	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2043	ECA1CM100GB	ELECT	16V	10pF
C2044	ECUV1H030CPX	S.M.CAP	50V	30pF
C2045	ECUV1H030CCX	S.M.CAP	50V	30pF
C2050	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2051	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2052	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2053	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2054	ECA1CM331B	ELECT	16V	330pF
C2055	ECA1CM331B	ELECT	16V	330pF
C2058	ECUV1H683ZFX	S.M.CAP	50V	68nF
C2059	ECUV1H102KBX	S.M.CAP	50V	1nF
C2060	ECUV1H102KBX	S.M.CAP	50V	1nF
C2061	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2062	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2301	ECQM1H474J	FILM	50V	470nF
C2302	ECUV1H224ZFX	S.M.CAP	50V	0.22μF
C2303	ECUV1H101JCX	S.M.CAP	50V	100pF
C2304	ECEA1HN010UB	ELECT	50V	1μF
C2305	ECA1HM220GB	ELECT	50V	22pF
C2306	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2307	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2308	ECA1HM010GB	ELECT	50V	1pF
C2309	ECUV1H393KBX	S.M.CAP	50V	39nF
C2310	ECUV1H393KBX	S.M.CAP	50V	39nF
C2311	ECA1HM101GB	ELECT	50V	100pF
C2312	ECUV1H393KBX	S.M.CAP	50V	39nF
C2313	ECUV1H393KBX	S.M.CAP	50V	39nF
C2314	ECA1HM100GB	ELECT	50V	10pF
C2315	ECUV1H562KBX	S.M.CAP	50V	5.6nF
C2316	ECA1HM010GB	ELECT	50V	1pF
C2317	ECA1HM010GB	ELECT	50V	1pF
C2318	ECUV1H050CCX	S.M.CAP	50V	5pF
C2319	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2320	ECUV1H102KBX	S.M.CAP	50V	1nF
C2351	ECA1HM101GB	ELECT	50V	100pF
C2352	ECA1CM471GB	ELECT	16V	470pF
C2353	ECA1HM4R7GB	ELECT	50V	4.7μF
C2354	ECKC1H102J	CERAMIC	50V	1000pF
C2355	ECA1HM4R7GB	ELECT	50V	4.7μF
C2356	ECKC1H103JB	CERAMIC	50V	10nF
C2360	ECKC1H103JB	CERAMIC	50V	10nF
C2361	ECA1HM101GB	ELECT	50V	100pF
C2362	ECA1CM471GB	ELECT	16V	470pF
C2363	ECA1HM4R7GB	ELECT	50V	4.7μF
C2364	ECKC1H102J	CERAMIC	50V	1000pF
C2365	ECA1HM4R7GB	ELECT	50V	4.7μF
C2366	ECKC1H103JB	CERAMIC	50V	10nF
C3001	ECKC1H561J	CERAMIC	50V	560pF
C3002	ECKC1H561J	CERAMIC	50V	560pF
C3101	ECEA1HN4R7UB	ELECT	50V	4.7μF
C3102	ECA1HM470GB	ELECT	50V	47μF
C3103	ECA1CM470GB	ELECT	16V	47μF
C3106	ECUV1H561JCX	S.M.CAP	50V	560pF

Ref No.	Part No.		Description		
C3107	ECA1HM470GB	ELECT	50V	47μF	
C3108	ECA1CM470GB	ELECT	16V	47μF	
C3110	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3111	ECUV1H102JCX	S.M.CAP	50V	1nF	
C3112	ECA1HM470GB	ELECT	50V	47μF	
C3113	ECA1HM470GB	ELECT	50V	47μF	
C3114	ECA1CM470GB	ELECT	16V	47μF	
C3115	ECEA1HNR47UB	ELECT	50V	0.47μF	
C3116	ECA1HM470GB	ELECT	50V	47μF	
C3117	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3118	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3119	ECA1HM470GB	ELECT	50V	47μF	
C3120	ECA1CM470GB	ELECT	16V	47μF	
C3122	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3123	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3125	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3126	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3127	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3128	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3129	ECUV1H102JCX	S.M.CAP	50V	1nF	
C3130	ECEA1HN4R7UB	ELECT	50V	4.7μF	
C3131	ECUV1H473KBX	S.M.CAP	50V	47nF	
C3132	ECA1CM470GB	ELECT	16V	47μF	
C3133	ECA1CM470GB	ELECT	16V	47μF	
C3134	ECA1CM470GB	ELECT	16V	47μF	
C3135	ECA1HMR47GB	ELECT	50V	0.47μF	
C3136	ECA1CM470GB	ELECT	16V	47μF	
C3137	ECA1HM470GB	ELECT	50V	47μF	
C3138	ECA1HM470GB	ELECT	50V	47μF	
C3139	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C3140	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C3144	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3145	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3147	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3148	ECA1HM4R7GB	ELECT	50V	4.7μF	
C3150	ECA1HM4R7GB	ELECT	50V	4.7μF	
C3152	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3153	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3154	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3155	ECA1CM470GB	ELECT	16V	47μF	
C3156	ECA1CM470GB	ELECT	16V	47μF	
C3158	ECUV1H102JCX	S.M.CAP	50V	1nF	
C3159	ECUV1H121JCX	S.M.CAP	50V	120pF	
C3160	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3162	ECA1CM471GB	ELECT	16V	470pF	
C3163	ECA1HMR47GB	ELECT	50V	0.47μF	
C3164	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C3165	ECA1HM470GB	ELECT	50V	47μF	
C3167	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3168	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3169	ECUV1H102JCX	S.M.CAP	50V	1nF	
C3173	ECA1HMR47GB	ELECT	50V	0.47μF	
C3175	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3177	ECUV1H561JCX	S.M.CAP	50V	560pF	
C3180	ECA1HMR47GB	ELECT	50V	0.47μF	
C3181	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
C3182	ECUV1H102JCX	S.M.CAP	50V	1nF	
C3183	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
C3184	ECUV1H473KBX	S.M.CAP	50V	47nF	
C3185	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
C3186	ECEA1HNR47UB	ELECT	50V	0.47μF	
C3187	ECA1HM470GB	ELECT	50V	47μF	
C3188	ECEA1CN470	ELECT	16V	47μF	
C3189	ECEA1CN470	ELECT	16V	47μF	
C3190	ECA1HMR47GB	ELECT	50V	0.47μF	
C3191	ECA1HM470GB	ELECT	50V	47μF	
C3192	ECUV1H473KBX	S.M.CAP	50V	47nF	
C3193	ECUV1H473KBX	S.M.CAP	50V	47nF	
C3194	ECA1HM470GB	ELECT	50V	47μF	
C3195	ECUV1H391JCX	S.M.CAP	50V	390pF	
C3196	ECEA1CN330	ELECT	16V	33μF	
C3201	ECA1HM010GB	ELECT	50V	1pF	

Ref No.	Part No.	Description
C3202	ECUV1H473ZFX	S.M.CAP 50V 47nF
C3203	ECA1CM100GB	ELECT 16V 10pF
C3204	ECUV1H473ZFX	S.M.CAP 50V 47nF
C3351	ECA1HM101GB	ELECT 50V 100pF
C3501	ECUV1H220JCX	S.M.CAP 50V 22pF
C3502	ECUV1H220JCX	S.M.CAP 50V 22pF
C3503	ECEA1HKN010	ELECT 50V 1μF
C3504	ECUV1H224ZFX	S.M.CAP 50V 0.22μF
C3510	ECUV1H103ZFX	S.M.CAP 50V 10nF
C3511	ECA1HM101GB	ELECT 50V 100pF
C3512	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3514	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3515	ECA0JM331G	ELECT 6.3V 330pF
C3516	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3521	ECA1HM101GB	ELECT 50V 100pF
C3522	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3801	ECA1HM010GB	ELECT 50V 1pF
C3802	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3803	ECA1CM471GB	ELECT 16V 470pF
C3807	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3808	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3809	ECA0JM101G	ELECT 6.3V 100pF
C3810	ECUV1H103KBX	S.M.CAP 50V 10nF
C3812	ECA1CM221GB	ELECT 16V 220pF

DIODES

D001	MA4020	DIODE
D002	MA4020	DIODE
D103	BA582	DIODE
D104	BA582	DIODE
D251	MA165TA5	DIODE 1SS133T−77
D252	MA165TA5	DIODE 1SS133T−77
D253	MA165TA5	DIODE 1SS133T−77
D254	MA165TA5	DIODE 1SS133T−77
D351	ERA15−04V3	COIL
D352	ERA15−04V3	COIL
D361	ERA15−04V3	COIL
D362	ERA15−04V3	COIL
D371	ERA15−04V3	COIL
D372	ERA15−04V3	COIL
D387	MA2160LFS	DIODE
D401	MA167TA5	DIODE
D451	MA4056	DIODE
D452	MA2330−ALF	DIODE
D453	TVSEM01ZV0	DIODE
D457	1SS252T−77	DIODE
D502	1SS254T−77	DIODE
D503	EU02	DIODE
D504	EU02	DIODE
D531	1SS254T−77	DIODE
D532	1SS254T−77	DIODE
D533	1SS254T−77	DIODE
D551	EU02	DIODE
D556	AU02V0	DIODE
D557	ERC91−02J5	DIODE
D558	AU02V0	DIODE
D559	MTZJT−7736A	DIODE
D560	1SS252T−77	DIODE
D561	1SS254T−77	DIODE
D562	ERB0615	DIODE TYPD0753VAG
D571	FMV−3GULF027	DIODE
D572	RU3NLFA1	DIODE
D573	1SS254T−77	DIODE
D574	1SS252T−77	DIODE
D575	1SS252T−77	DIODE
D602	MA165TA5	DIODE 1SS133T−77
D603	MA165TA5	DIODE 1SS133T−77
D604	MA4062	DIODE
D706	MA165TA5	DIODE 1SS133T−77
D707	MA188TA	DIODE
D803	MTZJT−7711C	DIODE

Ref No.	Part No.	Description
D806	TF361MALF3	DIODE
D807	RBV−608LF−B	DIODE
D808	1SS254T−77	DIODE
D809	ERA22−02V3	DIODE
D810	MA2160LFS	DIODE
D812	MTZJT−775.6B	DIODE
D813	MA700TA5	DIODE
D814	AU01ZV0	DIODE
D815	PC123FY2	DIODE
D817	D5L60F4015	DIODE
D818	TMPG10G3	DIODE
D819	ERA81004V3	DIODE
D820	MA4100	DIODE
D821	EU02AV0	DIODE
D822	MTZJT−7718C	DIODE
D845	1SS254T−77	DIODE
D846	TVSS1WBS20	DIODE
D847	ERA15−01V1	DIODE
D848	EU02	DIODE
D849	FMGG26S	DIODE
D850	EU02	DIODE
D851	FMGG2CS	DIODE
D852	MA4091	DIODE
D853	1SS254T−77	DIODE
D854	1SS254T−77	DIODE
D855	D10SC6MRL	DIODE
D857	FML22SLF610	DIODE
D860	1SS254T−77	DIODE
D861	MTZJT−7713B	DIODE
D901	1SS254T−77	DIODE
D902	1SS254T−77	DIODE
D903	1SS254T−77	DIODE
D1051	LN81RPHL	DIODE
D1052	AU01V0	DIODE
D1053	AU01V0	DIODE
D1054	AU01V0	DIODE
D1055	AU01V0	DIODE
D1056	AU01V0	DIODE
D1057	AU01V0	DIODE
D1102	MA4051	DIODE
D1107	MTZJT−775.6A	DIODE
D1108	1SS254T−77	DIODE
D1109	1SS254T−77	DIODE
D1113	MA4051	DIODE
D1552	1SS355TE−17	DIODE
D1824	MA4051	DIODE
D2005	MA723TA5	DIODE
D2006	MA723TA5	DIODE
D2301	MA165TA5	DIODE 1SS133T−77
D2302	MA165TA5	DIODE 1SS133T−77
D2303	MA165TA5	DIODE 1SS133T−77
D2304	MA165TA5	DIODE 1SS133T−77
D3101	UDZTE−1712B	DIODE
D3102	UDZTE−1712B	DIODE
D3103	UDZTE−1712B	DIODE
D3104	UDZTE−1712B	DIODE
D3105	UDZTE−1712B	DIODE
D3107	UDZTE−1712B	DIODE
D3108	UDZTE−1712B	DIODE
D3109	UDZTE−1712B	DIODE
D3110	UDZTE−1712B	DIODE
D3111	UDZTE−1712B	DIODE
D3112	UDZTE−1712B	DIODE
D3115	UDZTE−1712B	DIODE
D3117	UDZTE−1712B	DIODE
D3120	1SS355TE−17	DIODE
D3121	1SS355TE−17	DIODE
D3351	1SS254T−77	DIODE
D3501	MA4030	DIODE
D3801	MA4043	DIODE
D3802	MA4075	DIODE
D3803	ERA81004V3	DIODE

Ref No.	Part No.	Description
D3805	MA4091	DIODE
D3806	MA165TA5	DIODE 1SS133T−77
D3807	MA165TA5	DIODE 1SS133T−77

FUSES

F531	TR5−T1000	FUSE	⚠
F801	XBA2C50TH15	FUSE	
F845	TR5−T2000	FUSE	⚠
F846	TR5−T1250	FUSE	⚠
F8011	EYF52BC	FUSE HOLDER	
F8012	EYF52BC	FUSE HOLDER	

INTEGRATED CIRCUITS

IC101	TDA9814TV3	VIF
IC1051	RPM−637CBRS1	LED RECEIVER
IC1101	SDA30C164−2	MICRO PROCESSOR
IC1102	S−80745AL−Z	RESET
IC1103	MN1280R	RESET
IC1104	X24C160301QU	EAROM
IC1105	27C2001C01AA	EPROM
IC1301	SAA4961	COMB FILTER
IC1551	SN74F04DR	CLOCK BUFFER
IC1552	SDA9257	CLOCK GENERATOR
IC1581	SDA9205−2GEG	A/D CONVERTER
IC1601	UPD93213GF	DFU
IC1602	SDA9280GEG	VISUAL PROCESSOR
IC1701	MB87D202A	VIDEO PROCESSOR
IC1721	SDA9251−2XGE	RAM
IC1722	SDA9251−2XGE	RAM
IC1723	SDA9251−2XGE	RAM
IC1724	SDA9251−2XGE	RAM
IC1725	SDA9251−2XGE	RAM
IC1726	SDA9251−2XGE	RAM
IC1727	SDA9251−2XGE	RAM
IC1801	TDA9143−N1	COLOUR DECODER
IC1802	TDA4665−V4	DELAY LINE
IC1803	SDA9187−2XGE	A/D CONVERTER
IC1841	SDA9189XGEG	PIP PROCESSOR
IC1901	LA6515	EARTH CORRECTION
IC2001	MSP3410BPPF7	AUDIO PROCESSOR
IC2301	TDA2030AV	AUDIO AMPLIFIER
IC2302	BA15218	DIODE
IC251	TDA2030AV	AUDIO AMPLIFIER
IC252	TDA2030AV	AUDIO AMPLIFIER
IC3101	TEA6420	AUDIO SWITCH
IC3102	TEA6415C	VIDEO SWITCH
IC3501	SDA5273S	MEGA TEXT
IC3502	M514256B70RS	DRAM
IC351	TDA6111	RED OUTPUT
IC361	TDA6111	GREEN OUTPUT
IC371	TDA6111	BLUE OUTPUT
IC3801	AN7808LB	8V REGULATOR
IC3803	AN7805LB	5V REGULATOR
IC3804	AN7809FLB	9V REGULATOR
IC3805	AN78L08TA	8V REGULATOR
IC401	TDA9151−B	DEFLECTION CONTROL
IC451	TDA8350Q−N4	VERTICAL OUTPUT
IC601	TDA9143−N1	COLOUR DECODER
IC602	TDA4665−V4	DELAY LINE
IC603	TDA4780	RGB VIDEO PROCESSOR
IC801	AN8029	POWER SUPPLY
IC845	SE140N	ERROR AMPLIFIER
IC851	TL431ACLPM	COIL
IC852	TL431ACLPM	COIL

TERMINALS AND LINKS

JA1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA2	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA5	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JK3001	TJB16656	A.V.TERMINAL			
JSB3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE012	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE018	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE019	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE02	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE020	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE021	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE022	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE050	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE056	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE057	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE058	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE062	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE064	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE09	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF038	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF040	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF041	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF045	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF046	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF049	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF050	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF054	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF056	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF059	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF061	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF062	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG027	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG071	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG073	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSG075	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSH004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSH005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSH01	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSH010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSH02	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω

COILS

LC1503	ELKTR391CA	DELAY LINE
LC1507	EXCEMT103DTM	COIL
LC1508	EXCEMT103DTM	COIL
LC1509	EXCEMT103DTM	COIL
LC1510	EXCEMT103DTM	COIL
LC1601	ELKTR391CA	DELAY LINE
LC1602	ELKTR391CA	DELAY LINE

Ref No.	Part No.	Description
LC1603	ELKTR391CA	DELAY LINE
LC1609	ELKTR560BA	DELAY LINE
LC1854	ELKTR391CA	DELAY LINE
L002	TLT047K991R	COIL
L004	TLT047K991R	COIL
L005	TLT047K991R	COIL
L102	TLT056K991R	COIL
L103	EQV7EN203B	COIL
L105	ELESNR22MA	COIL
L106	TLT102K991R	COIL
L107	ELESNR22MA	COIL
L108	ELESNR22MA	COIL
L109	EIL7EN015Q	COIL
L110	EIL7EN015Q	COIL
L252	EXCELSA35T	COIL
L253	EXCELSA35T	COIL
L254	EXCELSA35T	COIL
L255	EXCELSA35T	COIL
L351	SDL5000	DELAY LINE
L352	EXCELDR25V	COIL
L353	TLT150K991R	COIL
L361	SDL5000	DELAY LINE
L362	EXCELDR25V	COIL
L363	TLT150K991R	COIL
L371	SDL5000	DELAY LINE
L372	EXCELDR25V	COIL
L373	TLT150K991R	COIL
L381	TLT220K991R	COIL
L401	EXCELDR35V	COIL
L402	EXCELDR35C	COIL
L451	EXCELDR35V	COIL
L552	EXCELSA35T	COIL
L553	EXCELSA35T	COIL
L554	EXCELDR35V	COIL
L555	EXCELDR35C	COIL
L571	ELC18B801L	COIL
L572	ELHKLB025B	COIL
L573	ELHKLB028B	COIL
L575	ELC18B331E	COIL
L576	ELC08D101E	COIL
L601	TLT047K991R	COIL
L602	TLT047K991R	COIL
L603	TLT047K991R	COIL
L801	ELF18D486D	COIL
L802	ELF18D486D	COIL
L807	ELF18D856A	COIL
L808	EXCELSA35T	COIL
L809	EXCELDR35C	COIL
L810	EXCELSA39V	COIL
L811	EXCELSA39V	COIL
L812	EXCELDR35V	COIL
L813	EXCELDR35V	COIL
L817	EXCELDR35V	COIL
L845	EXCELSA35T	COIL
L847	EXCELSA35B	COIL
L848	EXCELSA35T	COIL
L850	EXCELSA35T	COIL
L851	EXCELSA35B	COIL
L854	ELEIE150KA	COIL
L856	EXCELSA35T	COIL
L859	EXCELSA35T	COIL
L860	EXCELSA35T	COIL
L861	EXCELSA35T	COIL
L862	EXCELSA35T	COIL
L1102	EXCELDR35V	COIL
L1103	EXCELDR35V	COIL
L1104	EXCELSA35T	COIL
L1105	ELEXT4R7KA	COIL
L1301	TLT330K991R	COIL
L1302	TLT100K991R	COIL
L1303	TLT101K991R	COIL
L1304	TLT100K991R	COIL

Ref No.	Part No.	Description
L1306	TLT101K991R	COIL
L1307	ERD25TC0T	CARBON 0.25W 10% 0Ω
L1501	EXCELDR35V	COIL
L1502	TLT033K991R	COIL
L1503	TLT033K991R	COIL
L1504	TLT033K991R	COIL
L1552	EXCELDR35V	COIL
L1553	EXCELDR35V	COIL
L1575	EXCELDR35V	COIL
L1576	EXCELDR35V	COIL
L1601	EXCELDR35V	COIL
L1602	EXCELDR35V	COIL
L1603	TLT100K991R	COIL
L1604	TLT100K991R	COIL
L1605	TLT100K991R	COIL
L1606	TLT100K991R	COIL
L1607	EXCELDR35V	COIL
L1641	EXCELDR35V	COIL
L1701	EXCELDR35V	COIL
L1721	EXCELDR35V	COIL
L1722	EXCELDR35V	COIL
L1801	TLT150K991R	COIL
L1802	TLT150K991R	COIL
L1803	ERDS2TY0T	CARBON 0.25W 10% 0Ω
L1804	EXCELDR35V	COIL
L1810	TLT470K991R	COIL
L1812	TLT150K991R	COIL
L1841	TLT150K991R	COIL
L1901	EXCELDR25V	COIL
L2001	TLT047K991R	COIL
L2002	TLT100K991R	COIL
L2003	EXCELDR35V	COIL
L2004	TLT068K991R	COIL
L2005	TLT068K991R	COIL
L2303	EXCELDR35V	COIL
L2319	TLS159054E	COIL
L2320	TLS159054E	COIL
L2351	ELEBR6R8KA	COIL
L2361	ELEBR6R8KA	COIL
L3001	ELEBR6R8KA	COIL
L3002	ELEBR6R8KA	COIL
L3003	ELEBR470KA	COIL
L3101	ELEMV1R5MA	COIL
L3102	ELEMV1R5MA	COIL
L3103	ELEMV1R5MA	COIL
L3104	ELEMV1R5MA	COIL
L3107	ELEMV1R5MA	COIL
L3108	ELEMV1R5MA	COIL
L3109	ELEMV1R5MA	COIL
L3110	ELEMV1R5MA	COIL
L3111	ELEMV1R5MA	COIL
L3112	ELEMV1R5MA	COIL
L3113	ELEMV1R5MA	COIL
L3114	ELEMV1R5MA	COIL
L3503	EXCELDR35V	COIL
L3507	EXCELDR35V	COIL
L3509	EXCELDR35V	COIL
L3511	TLT100K991R	COIL

TRANSISTORS

Q008	BC847B	TRANSISTOR OR 2SD601ATX
Q101	BC847B	TRANSISTOR OR 2SD601ATX
Q102	BC847B	TRANSISTOR OR 2SD601ATX
Q103	BC847B	TRANSISTOR OR 2SD601ATX
Q104	BC847B	TRANSISTOR OR 2SD601ATX
Q105	BC847B	TRANSISTOR OR 2SD601ATX
Q106	BF370−126	TRANSISTOR
Q107	BC847B	TRANSISTOR OR 2SD601ATX
Q108	BC847B	TRANSISTOR OR 2SD601ATX
Q109	BC860B	TRANSISTOR
Q251	BC847B	TRANSISTOR OR 2SD601ATX

Ref No.	Part No.	Description
Q252	BC847B	TRANSISTOR OR 2SD601ATX
Q401	BC847B	TRANSISTOR OR 2SD601ATX
Q502	2SC2925STA	TRANSISTOR
Q531	BC547B	TRANSISTOR
Q532	BC547B	TRANSISTOR
Q533	BC547B	TRANSISTOR
Q535	BC547B	TRANSISTOR
Q551	BC547B	TRANSISTOR
Q552	2SC5144LBMA1	TRANSISTOR
Q553	2SC1473−RN	TRANSISTOR
Q554	2SC1473−RN	TRANSISTOR
Q572	BC547B	TRANSISTOR
Q573	BC557B	TRANSISTOR
Q574	2SD1265AOPLB	TRANSISTOR
Q601	BC847B	TRANSISTOR OR 2SD601ATX
Q602	BC857B	TRANSISTOR OR 2SB709ATX
Q603	BC847B	TRANSISTOR OR 2SD601ATX
Q604	BC857B	TRANSISTOR OR 2SB709ATX
Q605	BC857B	TRANSISTOR OR 2SB709ATX
Q607	BC847B	TRANSISTOR OR 2SD601ATX
Q608	BC847B	TRANSISTOR OR 2SD601ATX
Q609	BC847B	TRANSISTOR OR 2SD601ATX
Q610	BC847B	TRANSISTOR OR 2SD601ATX
Q611	BC847B	TRANSISTOR OR 2SD601ATX
Q612	BC847B	TRANSISTOR OR 2SD601ATX
Q801	2SK1489MAT	TRANSISTOR
Q803	2SD965−R	TRANSISTOR
Q804	2SA719−TA	TRANSISTOR
Q845	2SA684R	TRANSISTOR
Q846	BC547B	TRANSISTOR
Q847	BC557B	TRANSISTOR
Q848	BC547B	TRANSISTOR
Q849	2SA1018QTA	TRANSISTOR
Q850	2SD1474PLB	TRANSISTOR
Q851	BC547B	TRANSISTOR
Q852	BC547B	TRANSISTOR
Q901	BC847B	TRANSISTOR OR 2SD601ATX
Q902	BC847B	TRANSISTOR OR 2SD601ATX
Q903	BC847B	TRANSISTOR OR 2SD601ATX
Q904	BC857B	TRANSISTOR OR 2SB709ATX
Q905	BC847B	TRANSISTOR OR 2SD601ATX
Q906	BC847B	TRANSISTOR OR 2SD601ATX
Q907	BC857B	TRANSISTOR OR 2SB709ATX
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1052	BC557B	TRANSISTOR
Q1101	BC847B	TRANSISTOR OR 2SD601ATX
Q1102	BC847B	TRANSISTOR OR 2SD601ATX
Q1103	BC847B	TRANSISTOR OR 2SD601ATX
Q1106	BC847B	TRANSISTOR OR 2SD601ATX
Q1107	BC847B	TRANSISTOR OR 2SD601ATX
Q1108	BC847B	TRANSISTOR OR 2SD601ATX
Q1112	2SC3757QRTX	TRANSISTOR
Q1191	BC847B	TRANSISTOR OR 2SD601ATX
Q1301	BC847B	TRANSISTOR OR 2SD601ATX
Q1303	BC847B	TRANSISTOR OR 2SD601ATX
Q1304	BC847B	TRANSISTOR OR 2SD601ATX
Q1501	BC847B	TRANSISTOR OR 2SD601ATX
Q1502	BC847B	TRANSISTOR OR 2SD601ATX
Q1503	BC847B	TRANSISTOR OR 2SD601ATX
Q1575	BC847B	TRANSISTOR OR 2SD601ATX
Q1642	BC847B	TRANSISTOR OR 2SD601ATX
Q1643	BC847B	TRANSISTOR OR 2SD601ATX
Q1644	BC857B	TRANSISTOR OR 2SB709ATX
Q1647	BC847B	TRANSISTOR OR 2SD601ATX
Q1648	BC857B	TRANSISTOR OR 2SB709ATX
Q1649	BC857B	TRANSISTOR OR 2SB709ATX
Q1803	BC847B	TRANSISTOR OR 2SD601ATX
Q1879	BC857B	TRANSISTOR OR 2SB709ATX
Q1880	BC857B	TRANSISTOR OR 2SB709ATX
Q1881	BC857B	TRANSISTOR OR 2SB709ATX
Q2001	BC860B	TRANSISTOR
Q2002	BC860B	TRANSISTOR
Q2003	BC860B	TRANSISTOR
Q2004	BC860B	TRANSISTOR
Q2006	BC857B	TRANSISTOR OR 2SB709ATX
Q2007	BC847B	TRANSISTOR OR 2SD601ATX
Q2301	BC847B	TRANSISTOR OR 2SD601ATX
Q2302	BC857B	TRANSISTOR OR 2SB709ATX
Q2351	BC547B	TRANSISTOR
Q2352	BC547B	TRANSISTOR
Q2353	BC557B	TRANSISTOR
Q2361	BC547B	TRANSISTOR
Q2362	BC547B	TRANSISTOR
Q2363	BC557B	TRANSISTOR
Q3101	BC847B	TRANSISTOR OR 2SD601ATX
Q3102	BC847B	TRANSISTOR OR 2SD601ATX
Q3103	BC847B	TRANSISTOR OR 2SD601ATX
Q3104	BC847B	TRANSISTOR OR 2SD601ATX
Q3105	BC847B	TRANSISTOR OR 2SD601ATX
Q3106	BC847B	TRANSISTOR OR 2SD601ATX
Q3107	BC857B	TRANSISTOR OR 2SB709ATX
Q3108	BC847B	TRANSISTOR OR 2SD601ATX
Q3109	BC847B	TRANSISTOR OR 2SD601ATX
Q3110	BC847B	TRANSISTOR OR 2SD601ATX
Q3113	BC847B	TRANSISTOR OR 2SD601ATX
Q3114	BC847B	TRANSISTOR OR 2SD601ATX
Q3115	BC857B	TRANSISTOR OR 2SB709ATX
Q3201	BC847B	TRANSISTOR OR 2SD601ATX
Q3351	BC847B	TRANSISTOR OR 2SD601ATX
Q3352	BC857B	TRANSISTOR OR 2SB709ATX
Q3501	BC847B	TRANSISTOR OR 2SD601ATX
Q3502	BC847B	TRANSISTOR OR 2SD601ATX
Q3503	2SC3130TX	TRANSISTOR
Q3801	2SD1474PLB	TRANSISTOR

RESISTOR

RL571	TSEH8012	RELAY			
RL806	TSE1885−1	TRANSISTOR			
R003	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R006	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ
R011	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R012	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R101	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R103	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R104	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R105	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R106	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R107	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R109	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R110	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R111	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R113	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R115	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω
R117	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KΩ
R118	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R119	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R120	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R121	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R122	EVNDXAA03B24	CONTROL			20KΩ
R123	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R124	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R125	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R126	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R127	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R128	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R130	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R132	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω
R133	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω
R134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R135	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R136	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω

Ref No.	Part No.	Description				
R137	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R138	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω	
R139	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150KΩ	
R140	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω	
R141	ERJ6GEYJ330	S.M.CARB	0.1W	5%	33Ω	
R143	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R144	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R145	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R146	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R147	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω	
R148	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ	
R149	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω	
R150	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R151	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R152	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R154	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R156	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R157	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R159	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R251	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2Ω	
R252	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R253	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R254	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ	
R255	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R256	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R257	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R258	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R259	ERG3SJ102	METAL	3W	5%	1.0KΩ	⚠
R260	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2Ω	
R261	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R262	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ	
R263	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R264	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R265	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R266	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R267	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R268	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R269	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R270	ERG3SJ102	METAL	3W	5%	1.0KΩ	⚠
R351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R355	ERG2FJ823	METAL	2W	5%	82KΩ	⚠
R356	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R357	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω	
R358	ERDS1TJ821	CARBON	0.5W	5%	820Ω	
R359	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330KΩ	
R360	ERDS1TJ103	CARBON	0.5W	5%	10KΩ	
R361	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R362	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R364	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R365	ERG2FJ823	METAL	2W	5%	82KΩ	⚠
R366	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R367	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω	
R368	ERDS1TJ821	CARBON	0.5W	5%	820Ω	
R369	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R370	ERQ1CJP1R0	FUSIBLE	1W	5%	1RΩ	⚠
R371	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R372	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R374	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R375	ERG2FJ823	METAL	2W	5%	82KΩ	⚠
R376	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R377	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω	
R378	ERDS1TJ821	CARBON	0.5W	5%	820Ω	
R379	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R380	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R381	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω	
R383	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω	
R384	ERQ12HJ101	FUSIBLE	0.5W	5%	100Ω	⚠
R390	ERDS1TJ184	CARBON	0.5W	5%	180K	
R401	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R402	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	

Ref No.	Part No.	Description				
R403	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω	
R406	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ	
R407	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R408	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R409	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R410	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R411	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R412	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R451	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3KΩ	
R452	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ	
R453	ERG2FJ121	METAL	2W	5%	120Ω	⚠
R454	ERX12SJ1R0	RESISTOR	12W	5%	1RΩ	
R455	ERX12SJ1R2	RESISTOR	12W	5%	1R2Ω	
R456	ERDS1TJ220	CARBON	0.5W	5%	22Ω	
R457	ERDS1TJ223	CARBON	0.5W	5%	22KΩ	
R458	ERDS1TJ392	CARBON	0.5W	5%	3K9Ω	
R459	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ	
R460	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R461	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180KΩ	
R504	ERD25TJ271	CARBON	0.25W	5%	270Ω	
R505	ERG3SJS330	METAL	3W	5%	33Ω	⚠
R506	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω	
R507	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω	
R531	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R532	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R533	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R534	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R535	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R536	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R539	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R540	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R541	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R542	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R543	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R547	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R551	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R552	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R553	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R554	ERX3SJSR27H	RESISTOR	3W	5%	R27Ω	
R555	ERO25CKF2802	METAL	25W	1%	28KΩ	⚠
R556	ERO50PKF2802	METAL	50W	1%	28KΩ	⚠
R557	ERO25CKF6492	METAL	25W	1%	65KΩ	⚠
R558	ERO50PKF4532	METAL	50W	1%	45KΩ	⚠
R559	ERO25CKF1002	METAL	0.25W	1%	10KΩ	⚠
R560	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R562	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R564	ERDS1TJ394	CARBON	0.5W	5%	390KΩ	
R565	ERQ14AJW2R2	FUSIBLE	14W	5%	2R2Ω	⚠
R566	ERDS1TJ183	CARBON	0.5W	5%	18KΩ	
R567	ERG2ANJ223	METAL	2W	5%	22KΩ	
R568	ERQ12HJ330	METAL	0.5W	5%	33Ω	⚠
R569	ERDS1TJ120	CARBON	0.5W	5%	12Ω	
R570	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R571	ERX3FJ2R7H	RESISTOR	3W	5%	2R7Ω	
R572	ERG3FJ821	METAL	3W	5%	820Ω	⚠
R574	ERG3FJ151	METAL	3W	5%	150Ω	⚠
R577	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R578	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R579	ERD25TJ274	CARBON	0.25W	5%	270KΩ	
R580	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R581	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R582	ERD25TJ225	CARBON	0.25W	5%	2M2Ω	
R583	ERD25TJ225	CARBON	0.25W	5%	2M2Ω	
R584	ERD25TJ152	CARBON	0.25W	5%	1K5Ω	
R585	TSF19201	FS LINK				⚠
R587	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R588	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R589	ERDS1TJ100	CARBON	0.5W	5%	10Ω	
R591	ERF2AKR15	WIRE	2W	10%	R15Ω	
R601	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R602	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	

Ref No.	Part No.	Description				
R603	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R604	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75Ω	
R605	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75Ω	
R606	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75Ω	
R609	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R610	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KΩ	
R612	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω	
R613	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω	
R615	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KΩ	
R616	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R617	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R618	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R619	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R620	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R621	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R624	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R625	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ	
R626	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R627	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R628	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R629	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R630	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R632	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ	
R633	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R634	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R635	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R636	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R637	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R639	EVNDXAA03B32	CONTROL			300Ω	
R640	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R643	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R644	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R645	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω	
R646	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R647	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R648	ERJ6GEYJ150	S.M.CARB	0.1W	5%	15Ω	
R649	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R651	ERJ6GEYJ225	SM.CARB	0.125W	5%	2.2MΩ	
R652	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R653	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R654	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R655	ERJ6GEYJ243	SM.CARB	0.125W	5%	24KΩ	
R656	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R657	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R658	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R659	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R660	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R661	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R662	ERJ8GEY0R00	S.M.CAR	.125W	5%	0Ω	
R664	ERC14GJ206	SOLID	14W	5%	20MΩ	
R665	ERC14GJ206	SOLID	14W	5%	20MΩ	
R711	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220KΩ	
R712	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ	
R714	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω	
R715	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R716	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R717	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R718	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R753	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R805	232266296706	THERMISTOR				
R806	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R807	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R809	ERF10ZK4R7	WOUND	10W	5%	4R7Ω	⚠
R810	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R811	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R812	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R814	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R815	ERD25TJ150	CARBON	0.25W	5%	15Ω	
R816	ERDS1TJ470	CARBON	0.5W	5%	47Ω	
R818	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R820	ERG3FJ223	METAL	3W	5%	22KΩ	⚠
R821	ERG3FJ223	METAL	3W	5%	22KΩ	⚠

Ref No.	Part No.	Description				
R822	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R823	ERX2SJR22	RESISTOR	2W	5%	R22Ω	
R824	ERX2SJR22	RESISTOR	2W	5%	R22Ω	
R825	ERX2SJR22	RESISTOR	2W	5%	R22Ω	
R827	ERDS1FJ100	CARBON	0.5W	5%	10Ω	
R828	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R829	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R831	ERD75TAJ825	CARBON	0.75W	5%	8M2Ω	⚠
R832	ERG1SJ331	METAL	1W	5%	330Ω	⚠
R835	ERD25TJ220	CARBON	0.25W	5%	22Ω	
R836	ERD25TJ100	CARBON	0.25W	5%	10Ω	
R837	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R838	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R847	ERQ1CKPR68	FUSIBLE	1W	5%	R68Ω	⚠
R853	ERO25CKF1002	METAL	0.25W	1%	10KΩ	⚠
R854	ERDS1TJ153	CARBON	0.5W	5%	15KΩ	
R855	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R856	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R858	ERO25CKF1002	METAL	0.25W	1%	10KΩ	⚠
R862	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R863	ERG3FJ470	METAL	3W	5%	47Ω	⚠
R864	ERDS1TJ103	CARBON	0.5W	5%	10KΩ	
R865	ERG3FJ470	METAL	3W	5%	47Ω	⚠
R867	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R870	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R873	ERDS1TJ2R2	CARBON	0.5W	5%	2.2Ω	
R876	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R877	ERO25CKF1022	METAL	25W	1%	10KΩ	⚠
R878	ERO25CKF1002	METAL	0.25W	1%	10KΩ	⚠
R883	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R885	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R886	ERF10ZK4R7	WOUND	10W	5%	4R7Ω	⚠
R888	ERDS1TJ393	CARBON	0.5W	5%	39KΩ	
R889	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R890	ERX3SJR56	RESISTOR	3W	5%	R56Ω	
R891	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R892	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R894	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R905	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R906	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ	
R907	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω	
R908	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R909	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R910	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R911	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R913	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ	
R914	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R915	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω	
R916	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R918	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R919	ERQ14AJW390	FUSIBLE	14W	5%	39Ω	⚠
R920	ERQ14AJW390	FUSIBLE	14W	5%	39Ω	⚠
R922	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R923	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R924	ERDS1FYJ390	CARBON	0.5W	5%	39Ω	⚠
R925	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R926	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R927	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R928	ERD25TJ2R7	CARBON	0.25W	5%	2R7Ω	
R929	ERDS1FYJ471	CARBON	0.5W	5%	470Ω	⚠
R930	ERD25TJ2R7	CARBON	0.25W	5%	2R7Ω	
R931	ERDS1FYJ390	CARBON	0.5W	5%	39Ω	⚠
R932	ERDS1FYJ101	CARBON	0.5W	5%	100Ω	⚠
R933	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R934	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R935	ERQ14AJW3R9	FUSIBLE	14W	5%	3R9Ω	⚠
R936	ERQ1CJP102	METAL	1W	5%	1KΩ	⚠
R937	ERQ14AJW100	METAL	0.25W	5%	10Ω	⚠
R938	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R940	ERD25TJ3R3	CARBON	0.25W	5%	3R3Ω	

Ref No.	Part No.	Description			
R941	ERD25TJ3R3	CARBON	0.25W	5%	3R3Ω
R1054	ERD25TJ101	CARBON	0.25W	5%	100Ω
R1057	ERD25TJ101	CARBON	0.25W	5%	100Ω
R1058	ERD25TJ471	CARBON	0.25W	5%	470Ω
R1059	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R1061	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R1062	ERD25TJ222	CARBON	0.25W	5%	2K2Ω
R1063	ERD25TJ222	CARBON	0.25W	5%	2K2Ω
R1064	ERD25TJ332	CARBON	0.25W	5%	3K3Ω
R1065	ERD25TJ512	CARBON	0.25W	5%	5K1Ω
R1066	ERD25TJ912	CARBON	0.25W	5%	9K1Ω
R1101	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1102	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1103	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1104	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1105	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1106	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1107	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1108	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1112	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1116	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1117	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1118	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1119	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1121	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1122	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1123	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1124	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1125	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1126	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1128	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R1129	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R1133	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1135	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1136	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R1137	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R1138	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1142	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1143	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1144	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1145	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1149	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1150	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1151	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1152	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1153	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1154	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1156	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω
R1163	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1164	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1169	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1170	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R1171	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω
R1172	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R1174	ERDS1TJ561	CARBON	0.5W	5%	560Ω
R1182	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1183	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1184	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1185	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1186	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1188	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1190	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1191	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1192	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1193	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1194	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ

Ref No.	Part No.	Description			
R1302	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1305	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω
R1306	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1307	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1308	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MΩ
R1313	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1315	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1317	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R1318	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R1319	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1320	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1321	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1322	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1323	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1324	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1325	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1326	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1327	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R1328	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1329	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1337	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1340	ERD25TJ272	CARBON	0.25W	5%	2K7Ω
R1501	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω
R1502	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω
R1504	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω
R1507	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R1508	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω
R1510	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1511	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R1513	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R1515	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1516	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1517	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1518	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1519	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1520	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1523	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1550	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R1551	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω
R1552	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω
R1554	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω
R1555	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R1560	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1561	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1562	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1563	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω
R1568	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R1570	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R1572	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R1575	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R1576	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω
R1577	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R1578	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R1581	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1605	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1606	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1608	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1620	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1621	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1622	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1624	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1625	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω
R1626	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R1627	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω
R1628	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R1629	ERJ6GEYJ201	S.M.CARB	0.1W	5%	200Ω
R1630	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R1631	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1632	ERJ6GEYJ133	SM.CARB	0.125W	5%	13KΩ
R1633	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω
R1634	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1641	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω

Ref No.	Part No.	Description				
R1643	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R1644	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1646	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R1647	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R1648	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1649	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1650	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1652	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R1653	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1654	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1656	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R1659	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1662	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1666	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1667	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1668	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56Ω	
R1679	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1680	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R1681	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1682	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R1683	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R1688	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω	
R1701	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω	
R1703	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1704	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1705	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1706	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1707	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω	
R1710	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18Ω	
R1713	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R1716	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1724	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω	
R1730	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1777	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270Ω	
R1778	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1801	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1802	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1803	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1804	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R1805	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω	
R1806	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KΩ	
R1807	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R1808	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R1809	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1810	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1811	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R1814	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1815	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω	
R1816	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R1817	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R1818	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1819	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1820	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1821	ERQ14AJ221	FUSIBLE	14W	5%	220Ω	⚠
R1823	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ	
R1833	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1834	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1835	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R1839	ERJ6GEYJ225	SM.CARB	0.125W	5%	2.2MΩ	
R1841	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8Ω	
R1842	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω	
R1843	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω	
R1844	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω	
R1860	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1861	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1862	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1863	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1864	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R1866	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R1867	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R1868	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R1870	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	

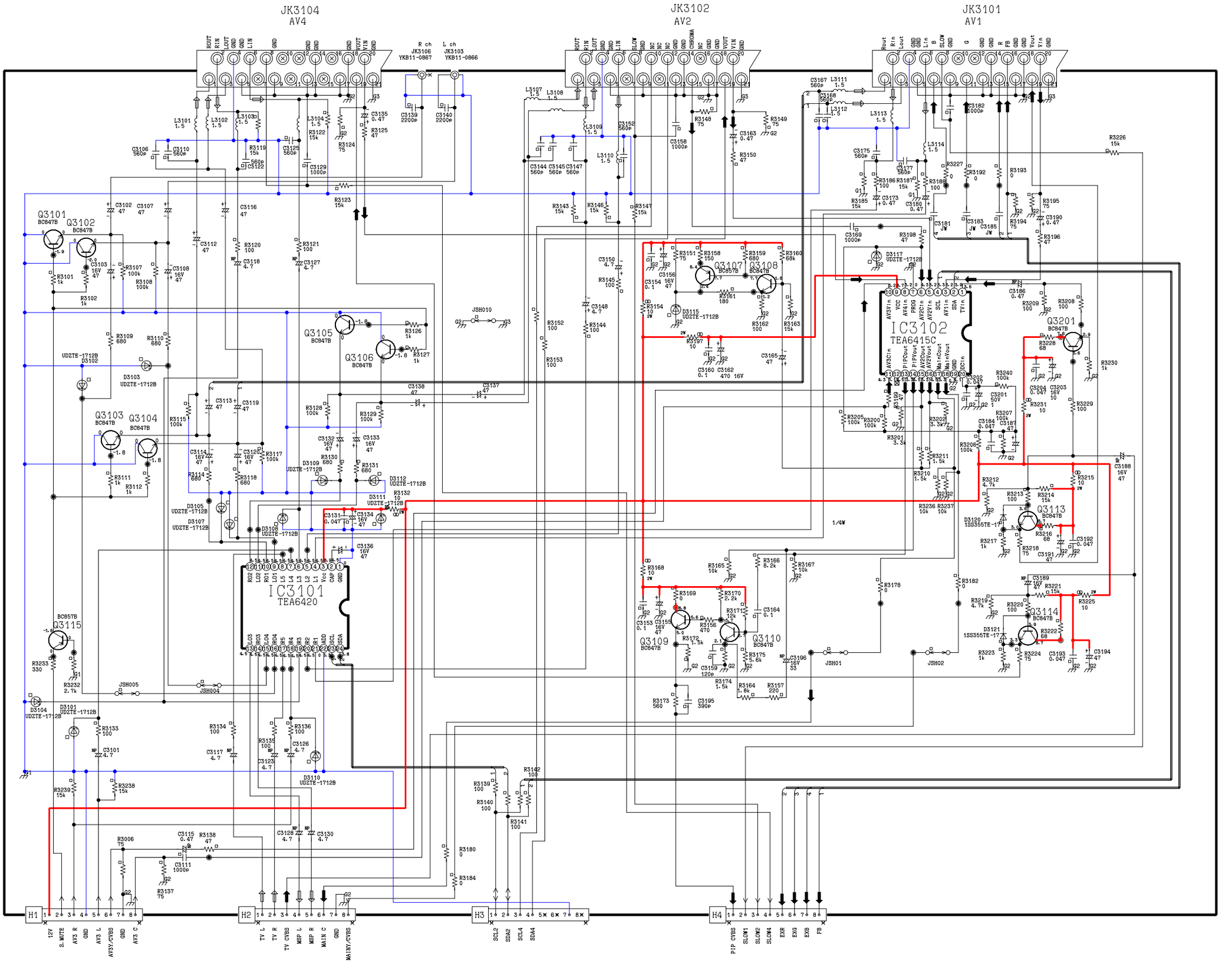
Ref No.	Part No.	Description			
R1873	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1874	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1875	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1877	ERC14GJ206	SOLID	14W	5%	20MΩ
R1878	ERC14GJ206	SOLID	14W	5%	20MΩ
R1879	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1880	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1881	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1882	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1883	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1884	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1896	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1897	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1898	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R1899	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω
R1901	ERD25TJ110	CARBON	0.25W	5%	11Ω
R1902	ERD25TJ110	CARBON	0.25W	5%	11Ω
R1903	ERD25TJ154	CARBON	0.25W	5%	150KΩ
R1904	ERD25TJ154	CARBON	0.25W	5%	150KΩ
R1905	ERD25TJ154	CARBON	0.25W	5%	150KΩ
R1906	ERD25TJ753	CARBON	0.25W	5%	75KΩ
R1908	ERD25TJ682	CARBON	0.25W	5%	6K8Ω
R1909	ERD25TJ362	CARBON	0.25W	5%	3.6KΩ
R2001	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R2004	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R2005	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2006	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2007	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R2008	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R2009	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R2010	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2011	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2012	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R2013	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2014	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2015	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2016	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2017	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2018	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2019	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2020	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R2021	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2022	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R2025	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R2026	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω
R2027	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2038	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
R2039	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2044	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2045	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2301	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2Ω
R2302	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R2303	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R2304	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R2305	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R2306	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R2307	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R2308	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R2309	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2310	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R2311	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R2312	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R2313	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R2314	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2315	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2316	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R2317	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R2318	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R2319	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R2320	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R2322	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω

Ref No.	Part No.	Description				
R2351	ERQ14AJW100	METAL	0.25W	5%	10Ω	⚠
R2352	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2353	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2354	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R2355	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2356	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2357	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2358	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2359	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2360	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R2361	ERD25TJ100	CARBON	0.25W	5%	10Ω	
R2371	ERQ14AJW100	METAL	0.25W	5%	10Ω	⚠
R2372	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2373	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2374	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R2375	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2376	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2377	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2378	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2379	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2380	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R2381	ERD25TJ100	CARBON	0.25W	5%	10Ω	
R3006	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3101	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3102	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3107	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3108	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3109	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3110	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3111	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3112	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3114	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3115	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3117	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3118	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3119	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3121	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3122	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3123	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3124	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3125	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3126	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3127	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3128	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3129	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3130	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3131	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3132	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3133	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3134	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3135	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3136	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3137	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3138	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3139	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3140	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3141	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3142	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3143	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3144	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3145	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3146	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3147	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3148	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3149	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3150	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3151	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3152	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3153	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3154	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3156	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	

Ref No.	Part No.	Description				
R3157	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R3158	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3159	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R3160	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ	
R3161	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω	
R3162	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3163	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3164	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω	
R3165	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R3166	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2Ω	
R3167	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R3168	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3169	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3170	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω	
R3171	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R3172	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R3173	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω	
R3174	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R3175	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6Ω	
R3178	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3180	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3182	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3184	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3185	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3186	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3187	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3188	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3192	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3193	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3194	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3195	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3196	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3197	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3198	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3199	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R3200	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3201	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	
R3202	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	
R3205	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3206	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3207	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R3208	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3209	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3210	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R3211	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R3212	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R3213	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3215	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3216	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω	
R3217	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3218	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3219	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R3220	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3221	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3222	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω	
R3223	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3224	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω	
R3225	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3226	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3227	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3228	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω	
R3229	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3230	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3231	ERD2FCVG100T	CARBON	2W	2%	10Ω	
R3232	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω	
R3233	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R3236	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R3237	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R3238	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3239	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	
R3240	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	

Ref No.	Part No.	Description				
R3351	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R3352	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R3353	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470KΩ	
R3354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3355	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R3501	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R3502	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3503	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R3505	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R3506	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R3507	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R3508	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R3509	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3513	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R3514	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R3515	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R3516	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7Ω	
R3517	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R3518	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3520	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R3521	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3522	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3523	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω	
R3526	ERD25TC0T	CARBON	0.25W	10%	0Ω	
R3531	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R3532	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R3534	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3802	ERG3FJ100	METAL	3W	5%	10Ω	⚠
R3803	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R3804	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	

Ref No.	Part No.	Description	
SWITCHES			
S801	ESB91232A	SWITCH	⚠
S1051	EVQ23405R	SWITCH	
S1052	EVQ23405R	SWITCH	
S1053	EVQ23405R	SWITCH	
S1054	EVQ23405R	SWITCH	
S1055	EVQ23405R	SWITCH	
TRANSFORMERS			
T501	TLHA003	TRANSFORMER	
T551	ZTFH65011A	F.B.T.	⚠
T801	ETP35KAN615U	TRANSFORMER	⚠
T802	ETS49AH137ND	TRANSFORMER	
T803	ETQ19K55AY	TRANSFORMER	
FILTERS			
X101	EFCT6504BF	FILTER	
X102	EFCS5M7MW3	CERAMIC FILTER	
X103	EFCS6R0MW5	FILTER	
X104	K3953−M100	SAW FILTER	
X105	L9454M	SAW FILTER	
X106	EFCV3195T6	CERAMIC FILTER	
X107	EFCT7004BF	CERAMIC FILTER	
X109	EFCV4045T4	CERAMIC FILTER	
X601	TSSA024	CRYSTAL	
X602	TSSA025	CRYSTAL	
X1101	TAF10020	CRYSTAL	
X1551	TSSA009	CRYSTAL	
X1815	TSSA024	CRYSTAL	
X1816	TSSA025	CRYSTAL	
X1841	TSSA009	CRYSTAL	
X2001	TSS4004−B	CRYSTAL	
X3501	TSSA009	CRYSTAL	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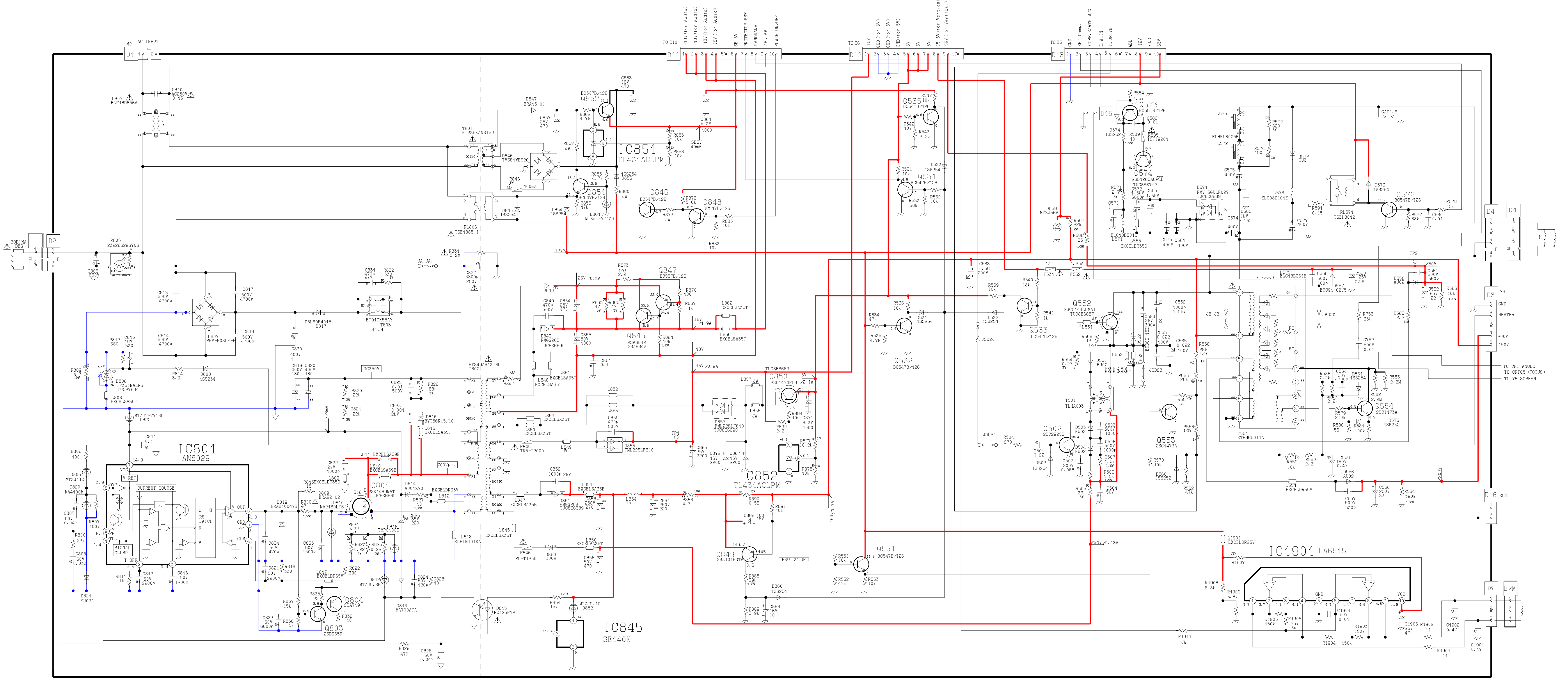
AV4
JK3102
AV2
JK3101
AV1
R ch
JK3106
YKB11-0867
L ch
JK3103
YKB11-0866
IC3102
TEA6415C
IC3101
TEA6420
Q3101
BC847B
Q3102
BC847B
Q3103
BC847B
Q3104
BC847B
Q3105
BC847B
Q3106
BC847B
Q3107
BC857B
Q3108
BC847B
Q3109
BC847B
Q3110
BC847B
Q3113
BC847B
Q3114
BC847B
Q3115
BC857B
Q3201
BC847B
H1
12V
S.MUTE
AV3 R
GND
AV3 L
AV3Y/CVBS
GND
AV3 C
H2
TV L
TV R
TV CVBS
MSP L
MSP R
MAIN C
GND
MAINY/CVBS
H3
SCL2
SDA2
SCL4
SDA4
H4
P1P CVBS
SLOW1
SLOW2
SLOW4
EXR
EXG
EXB
FB

IC2301 TDA2030AV
IC2302 BA15218
IC252 TDA2030AV
IC251 TDA2030AV
IC3803 AN7805LB
IC3801 AN7808LB
IC1105 M27C200110F1 EPROM
IC3805 AN78L08
IC401 TDA9151B/N3
IC603 TDA4780/V3 RGB VIDEO PROCESSOR
IC1104 ST24C16CB1 EAROM
IC1101 SDA30C164-2
IC1103 MN1280-R
IC2001 MSP3410BPPF7
IC1301 SAA4961
COMB FILTER
IC601 TDA9143/N1 COLOUR DECODER
IC602 TDA4665/V4 1H DELAY LINE
IC451 TDA8350Q/N4 V. OUT
IC3501 SDA5273S
IC1102 S-80745AL RESET
IC3502 M514256B70RS
DRAM
RF_AGC_DAC
IC3804 AN7809FLB
RF AGC
TNR1 ENV57D03G3



M2 AC INPUT
D1
L807 ELF18D856A
C810 AC250V 0.15
BOBINA DEG
D2
R805 232266296706
C806 630V 0.1
C813 500V 4700p
C814 500V 4700p
C817 500V 4700p
C818 500V 4700p
D807 RBV-608LF-B
D5L60F4015 D817
C830 400V 1
C819 400V 180
C820 400V 180
DC350V
C831 470p 2kV
R832 330 1W
ETQ19K55AY T803 11μH
JA-JA.
R831 8.2M
C827 3300p 250V
T801 ETP35KAN615U
D846 TVSS1WBS20
R846 JW 400mA
RL806 TSE1885-1
D845 1SS254
D847 ERA15-01
C857 25V 470
R812 680
C815 16V 330
R809 4.7 10W
D806 TF361MALF3 TUC27684
R814 3.3k
D808 1SS254
L808 EXCELSA35T
MTZJT-7718C D822
C811 0.1
IC801 AN8029
R806 100
D803 MTZJ11C
D820 MA4100M
C807 50V 0.047
R807 100k
R810 22k
C808 50V 0.033
R811 1k
C812 50V 2200p
C816 50V 1200p
D821 EU02A
VCC
V REF
OVP
CURRENT SOURSE
IFB
RS LATCH
V OUT
GND
CLM
FB
TDL
SIGNAL CLUMP
T OFF
C834 50V 470p
C821 50V 2200p
R818 330
D819 ERA81004V3
R815 EXCELDR35C 15
R816 47
D809 ERA22-02
D810 MA2160LFS
C835 50V 1500p
L817 EXCELDR35V
R822 390
R837 15k
R835 22
Q804 2SA719
R836 10
C833 50V 6800p
R838 1k
Q803 2SD965R
C822 2kV 1000p
L809
L811 EXCELSA39E
L810 EXCELSA39E
Q801 2SK1489MAT TUC8E6685
R824 0.22 2W
R823 0.22 2W
R825 0.22 2W
D818 TMPG10G3
D812 MTZJ5.6B
D813 MA700ATA
D814 AU01ZV0
R827 10 1/2W
L812 EXCELDR35V
C823 35V 220
C824 50V 120p
R828 10k
L813 ELEIN101KA
R829 470
C826 50V 0.047
D815 PC123FY2
R820 22k 3W
R821 22k 3W
C825 0.01 500V
C828 0.001 2kV
R826 68k 3W
D816 BYT56K15/10
L815 EXCELSA35T
DC16V /8mA
700Vp-p
ETS49AH137ND T802
R847
L848 EXCELSA35T
L861 EXCELSA35T
L860 EXCELSA35T
L859 EXCELSA35T
F845 TR5-T2000
L849 JW
L847 EXCELSA35B
L845 EXCELSA35T
F846 TR5-T1250
D850 EU02
L850 EXCELSA35T
C856 50V 470
R854 15k
MTZJ9.1C D852
IC845 SE140N
C852 1000p 2kV
D851 FMG2CS TUC8E6689
L851 EXCELSA35B
C858 250V 270
L854 15
C861 250V 220
R886 4.7 10W
R890 0.56 3W
R891 10k
C866 100 16V
Q849 2SA1018QTA
PROTECTOR
R888 39k 1/2W
R889 3.9k
C868 16V 10
D860 1SS254
150V/0.7A
L852
L853
D857 FML22SLF610 TUC8E6690
C859 470p 500V
D855 FML22SLF610
TP1
C863 25V 2200
C872 16V 2200
C867 16V 2200
L857 JW
L858 JW
Q850 2SD1474PLB
TUC8E6689
5V /2.1A
R894 100
C871 6.3V 1000
R892 2.2k
R877 10.2k
R878 10k
IC852 TL431ACLPM
15V /0.9A
-18V
C851 0.1
D849 FMGG26S TUC8E6690
C849 470p 500V
C854 25V 470
C855 50V 1000
D848
26V /0.3A
R873 1/2W 2.2
Q847 BC557B/126
R863 47 3W
R865 47 3W
R870 100
R867 1k
Q845 2SA684R 2SA684S
R864 10k 1/2W
18V /1.9A
L862 EXCELSA35T
L856 EXCELSA35T
12V
Q852 BC547B/126
R862 4.7k
C853 16V 470
R857 JW
IC851 TL431ACLPM
R853 10k
R858 10k
C864 6.3V 1000
SB5V 40mA
R855 4.7k
Q851 BC547B/126
R856 47k
D853 1SS254
R860 JW
D854 1SS254
D861 MTZJT-7713B
Q846 BC547B/126
R872 JW
R876 5.6k
Q848 BC547B/126
R885 10k
R883 10k
TO E10
D11
+18V (for Audio)
+18V (for Audio)
-18V (for Audio)
-18V (for Audio)
SB 5V
PROTECTOR SSW
PANORAMA
ABL SW
POWER ON/OFF
TO E6
D12
15V
GND (for 5V)
GND (for 5V)
GND (for 5V)
5V
5V
5V
15.5V (for Vertical)
52V (for Vertical)
TO E5
D13
GND
EHT Comp.
CORR.EARTH M/G
E.W_IN
H.DRIVE
ABL
12V
GND
33V
Q535 BC547B/126
R547 10k
R542 10k
R543 2.2k
R531 10k
Q531 BC547B/126
D533 1SS254
R533 68k
R532 10k
R536 10k
R534 47k
R535 4.7k
Q532 BC547B/126
D531 1SS254
D532 1SS254
R539 10k
R540 18k
R541 1k
Q533 BC547B/126
C563 0.56 200V
JSD24
T1A F531
T1.25A F532
D559 MTZJ36A
R567 22k 2W
R568 33 1/2W
Q551 BC547B/126
R551 10k
R552 47k
R553 10k
JSD21
R504 270
C501 0.22
D502 1SS254
Q502 2SC2925S
C502 200V 0.068
D503 EU02
D504 EU02
C503 500V 1000p
C506 500V 1000p
R507 1.5k 1/2W
R506 1.5k 1/2W
R505 33 3W
C504 50V
24V /0.13A
T501 TLHA003
Q552 2SC5144LBMA1 TUC8E6687
L551
R569 12 1/2W
R554 0.27 3W
D551 EU02
L552
EXCELSA35T
D562
ERB06-15E
C584 2kV 390p
C553 0.022 100V
C552 1000p 1.5kV
C565 0.022 100V
JSD28
R556 28k 1/2W
R555 28k
R557
Q553 2SC1473A
R558 1/2W
R570 10k
D560 1SS252
R562 47k
JB-JB
EHT
FO
SC
JSD20
R753 33k
C752 500V 0.01
T551 ZTFH65011A
R588 2.2k
C564 50V 4700p
D561 1SS254
R583 2.2M
R587 2.2k
R582 2.2M
Q554 2SC1473A
R579 270k
R580 56k
R581 100k
D575 1SS252
R559 10k
R560 2.2k
C556 160V 0.47
D556 AU02
L554 EXCELDR35V
C557 500V 330p
C558 250V 33
R564 390k 1/2W
200V
D15
R584 1.5k
Q573 BC557B/126
C586 0.01
D574 1SS252
R589 10 1/2W
R585 TSF19201
Q574 2SD1265A0PLB TUC8E6712
R571 2.7 3W
C572 1.5kV 6800p
C555 1.5kV
C571 1
ELC18B801L L571
L555 EXCELDR35C
C573 400V
C581 400V
D571 FMV-3GULF027 TUC8E6689
C574 400V
L573
ELHKLB025B
L572
R572 820 3W
R574 150 3W
C575 400V
C585 1kV 470p
D572 RU3
L576 ELC08D101E
C577 400V
R591 0.15
RL571 TSEH8012
D573 1SS254
Q572 BC547B/126
R578 15k
R577 68k
C580 0.01
GAP1.6
D4
H
TP2
L575 ELC18B331E
C559 500V 100p
D557 ERC91-02J5
C560 25V 3300
C561 500V 560p
50V
D558 AU02
C562 63V 22
R566 18k 1/2W
R565 2.2
D3 Y3
GND
HEATER
200V
150V
TO CRT ANODE
TO CRTG5 (FOCUS)
TO Y8 SCREEN
D16 E51
L1901 EXCELDR25V
R1907
IC1901 LA6515
R1908 6.8k
R1909 3.6k
GND
VCC
R1905 150k
R1906 75k 5%
C1904 50V 0.01
R1903 150k
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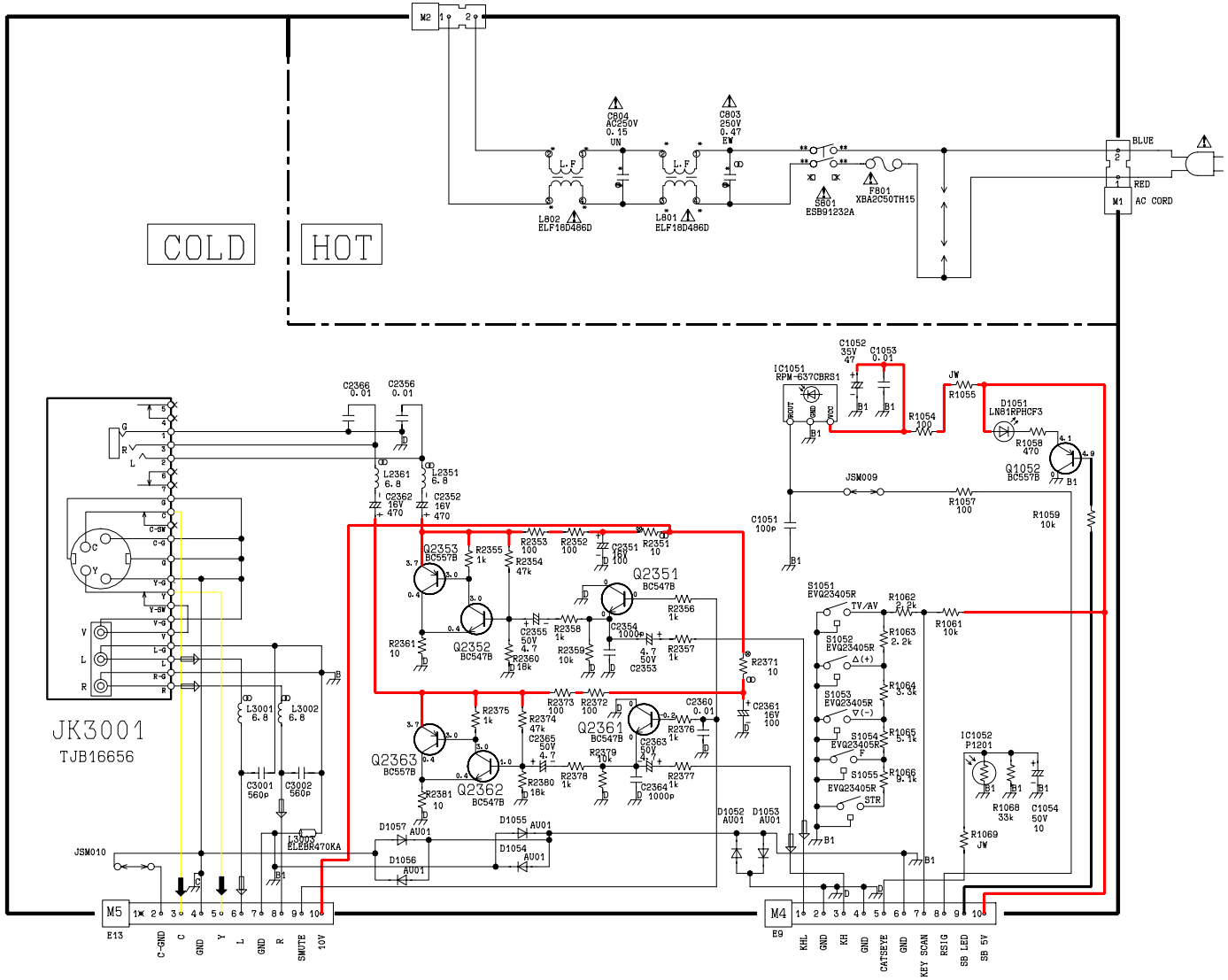
R1902 11
R1904 150k
R1911 JW
R1901 11
C1902 0.47
C1901 0.47
D7
E/M


COLD
HOT
M2
C804
AC250V
0.15
UN
C803
250V
0.47
EW
L802
ELF18D486D
L801
ELF18D486D
S801
ESB91232A
F801
XBA2C50TH15
BLUE
RED
M1
AC CORD
JK3001
TJB16656
IC1051
RPM-637CBRS1
D1051
LN61RPHCF3
Q1052
BC557B
Q2351
BC547B
Q2352
BC547B
Q2353
BC557B
Q2361
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Q2362
BC547B
Q2363
BC557B
IC1052
P1201
JSW009
S1051
EVQ23405R
S1052
EVQ23405R
S1053
EVQ23405R
S1054
EVQ23405R
S1055
EVQ23405R
M5
M4
C-GND
C
GND
Y
L
GND
R
SMUTE
10V
KHL
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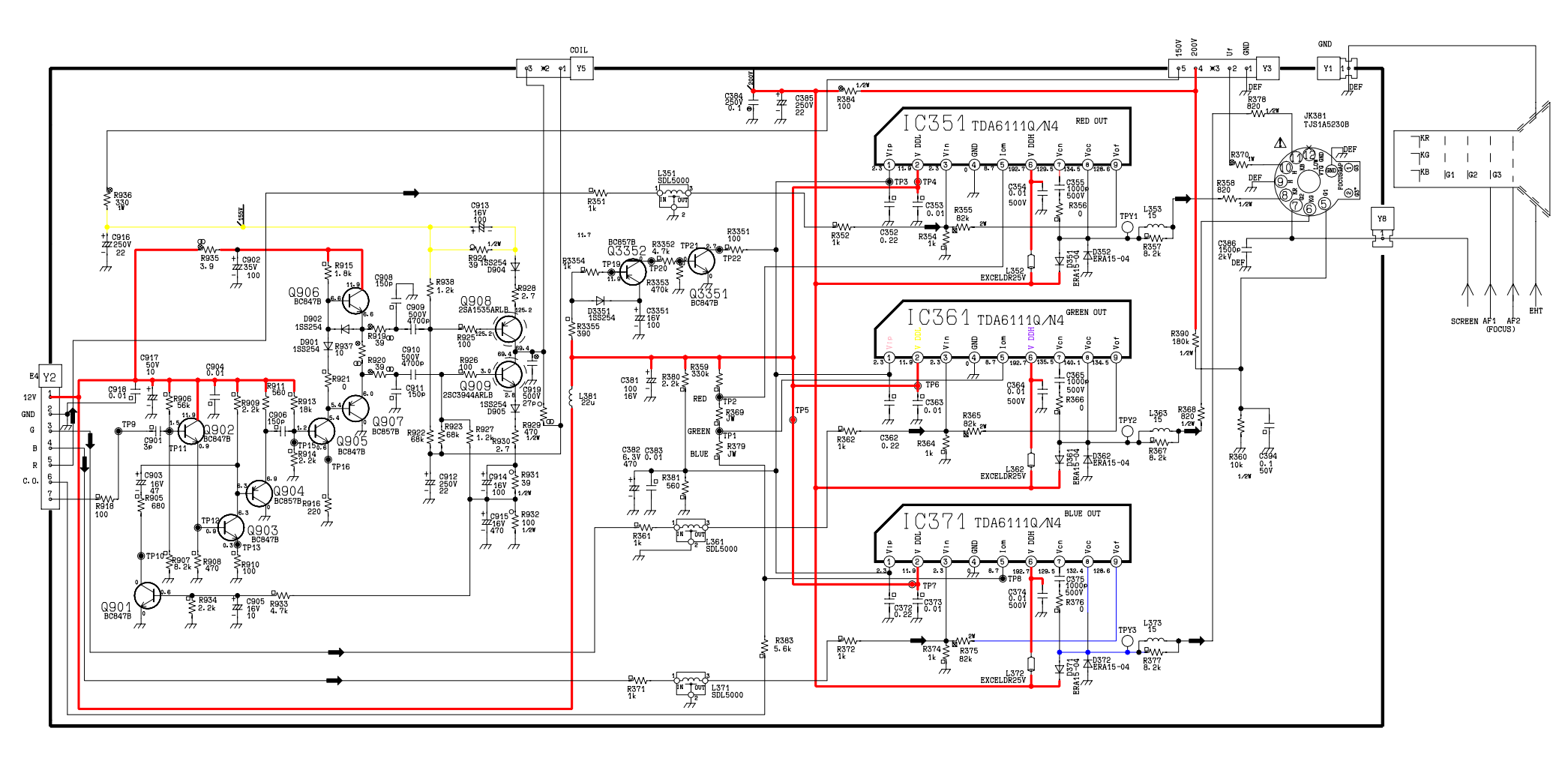
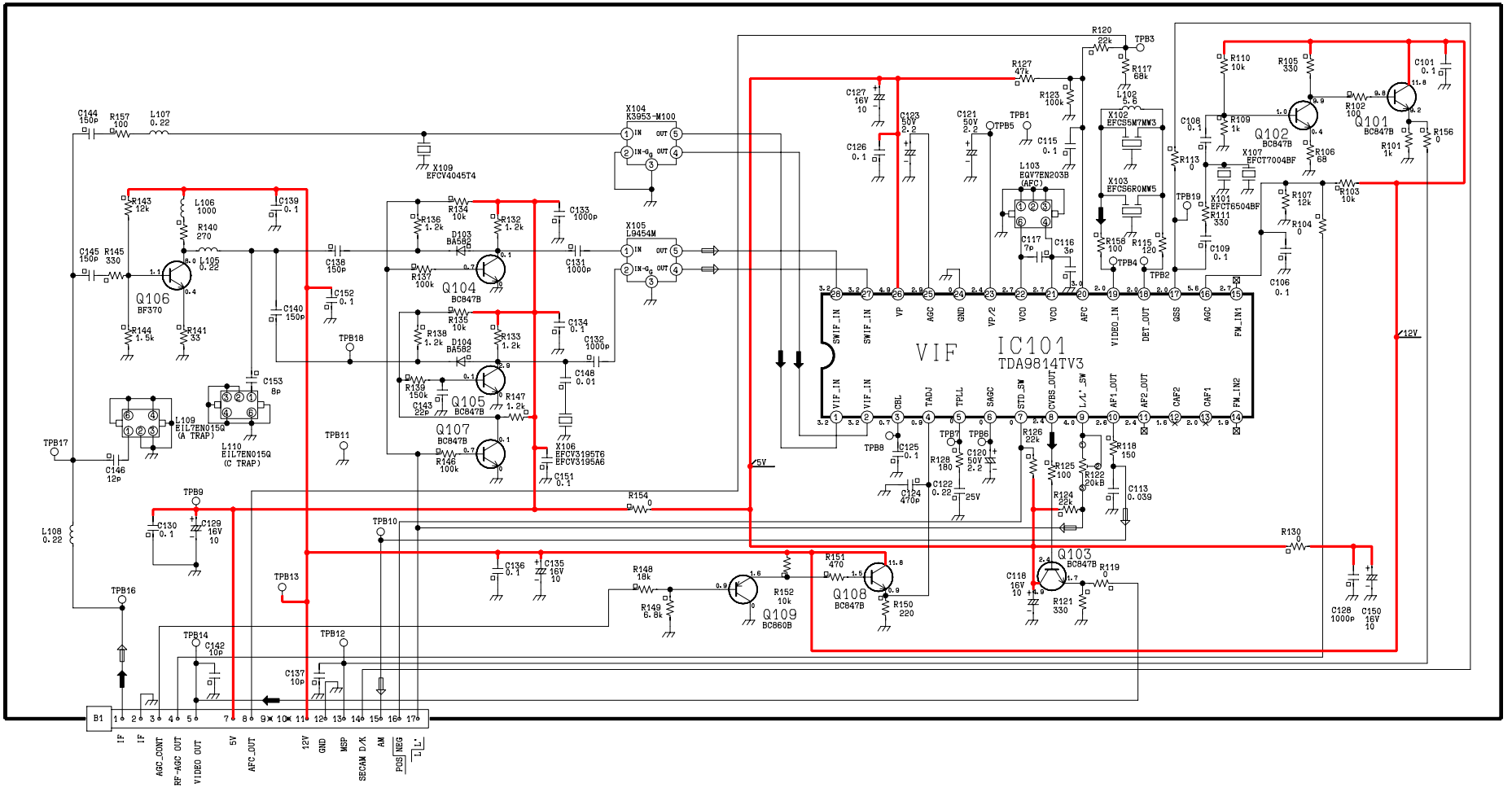
KH
GND
CATSEYE
GND
KEY SCAN
RSIG
SB LED
SB 5V


IC351 TDA6111Q/N4
RED OUT
IC361 TDA6111Q/N4
GREEN OUT
IC371 TDA6111Q/N4
BLUE OUT
Q901 BC847B
Q902 BC847B
Q903 BC847B
Q904 BC857B
Q905 BC847B
Q906 BC847B
Q907 BC857B
Q908 2SA1535ARLB
Q909 2SC3944ARLB
Q3351 BC847B
Q3352 BC857B
JK381 TJS1A5230B
SCREEN AF1 AF2 (FOCUS) EHT
COIL
RED
GREEN
BLUE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Q106 BF370
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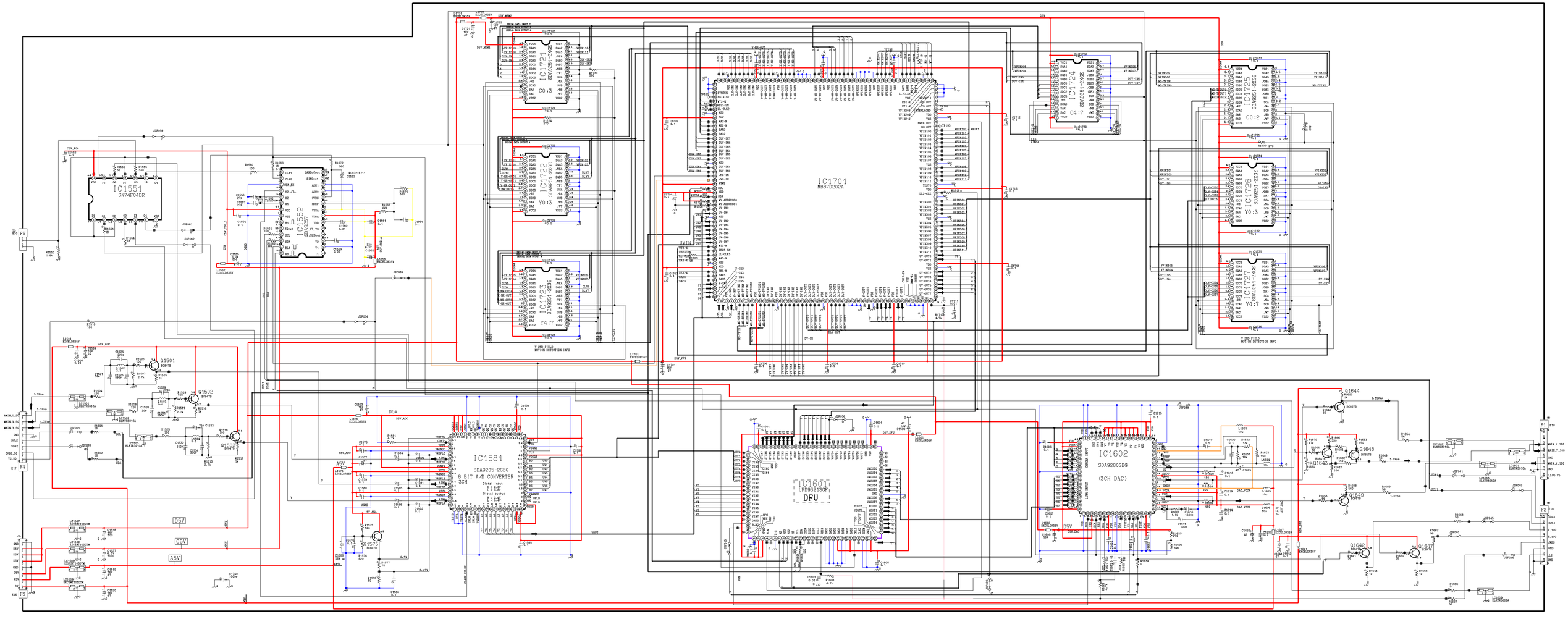
Q109 BC860B
X101 EFCT6504BF
X102 EFCS5M7MW3
X103 EFCS6R0MW5
X104 K3953-M100
X105 L9454M
X106 EFCV3195T6 EFCV3195A6
X107 EFCT7004BF
X109 EFCV4045T4
L103 EQV7EN203B (AFC)
L109 EIL7EN015Q (A TRAP)
L110 EIL7EN015Q (C TRAP)
B1
IF
IF
AGC_CONT
RF-AGC OUT
VIDEO OUT
5V
AFC_OUT
12V
GND
MSP
SECAM D/K
AM
POS
NEG
L
L'
SWIF_IN
SWIF_IN
VP
AGC
GND
VP/2
VCO
VCO
AFC
VIDEO_IN
DET_OUT
QSS
AGC
FM_IN1
VIF_IN
VIF_IN
CBL
TADJ
TPLL
SAGC
STD_SW
CVBS_OUT
L/L'_SW
AF1_OUT
AF2_OUT
CAP2
CAP1
FM_IN2
5V
12V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SN74F04DR
IC1701
MB87D202A
IC1581
SDA9205-2GEG
8 BIT A/D CONVERTER
30CH
IC1601
UPD93213GF
DFU
IC1602
SDA9280GEG
(3CH DAC)
IC1721
SDA9251-2X0E
IC1722
SDA9251-2X0E
IC1723
SDA9251-2X0E
IC1724
SDA9251-2X0E
IC1725
SDA9251-2X0E
IC1726
SDA9251-2X0E
IC1727
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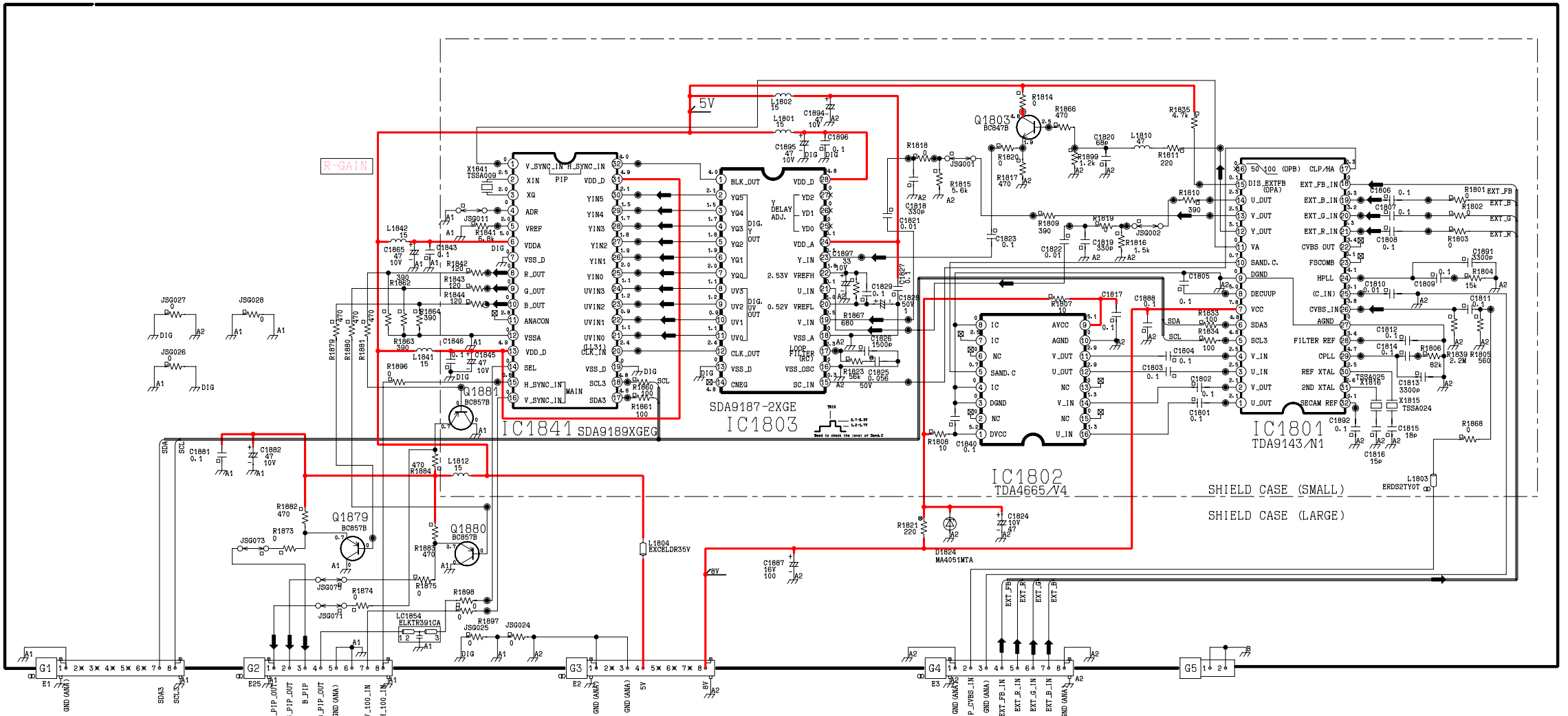
Y 2ND FIELD
MOTION DETECTION INFO
D5V
C5V
A5V
DFU


R-GAIN
5V
IC1841 SDA9189XGEG
SDA9187-2XGE
IC1803
IC1802
TDA4665/V4
IC1801
TDA9143/N1
Q1881
BC857B
Q1879
BC857B
Q1880
BC857B
Q1803
BC847B
SHIELD CASE (SMALL)
SHIELD CASE (LARGE)
L1804
EXCELDR35V
D1824
MA4051MTA
L1803
ERDS2TYOT
X1841
TSSA009
X1815
TSSA024
X1816
TSSA025
LC1854
ELKTR3910A
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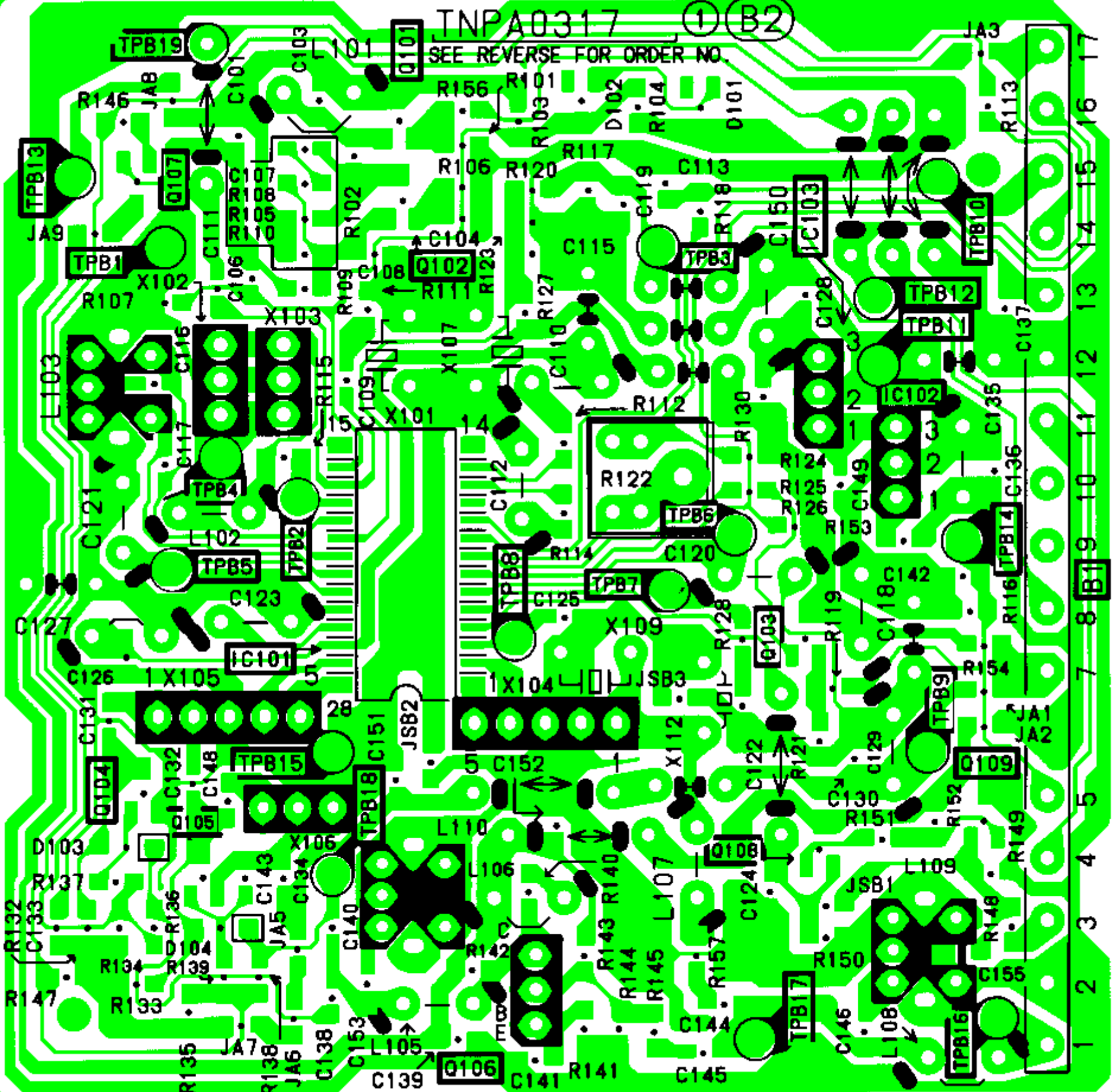
G2
G3
G4
G5
SDA
SCL
8V
EXT_FB
EXT_R
EXT_G
EXT_B


TNPA0317 (1) (B2)
SEE REVERSE FOR ORDER NO.
TPB19
L101
Q101
R156
R101
D102
R104
Q101
JA3
R113
R146
JA8
C101
C103
R103
R117
R106
R120
C113
C119
R118
C150
IC103
TPB10
TPB13
Q107
C107
R108
R105
R110
R102
C111
C106
C104
Q102
R111
R123
C108
R109
C115
TPB3
TPB12
TPB11
JA9
TPB1
X102
R107
X103
C116
C117
L103
R115
C109
X107
C110
R127
C128
C137
C135
C136
IC102
R130
R112
X101
R122
R124
R125
R126
C149
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TPB2
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TPB5
C123
C112
TPB6
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TPB14
R116
TPB8
R114
TPB7
C125
X109
C142
C118
R119
R128
Q103
C127
C126
IC101
1 X105
28
1 X104
JSB3
JSB2
C151
C131
C132
C148
TPB15
TPB18
Q104
Q105
X106
C152
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X112
C122
R121
C129
TPB9
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JA1
JA2
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C130
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R139
R147
R133
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Q106
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R141
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C145
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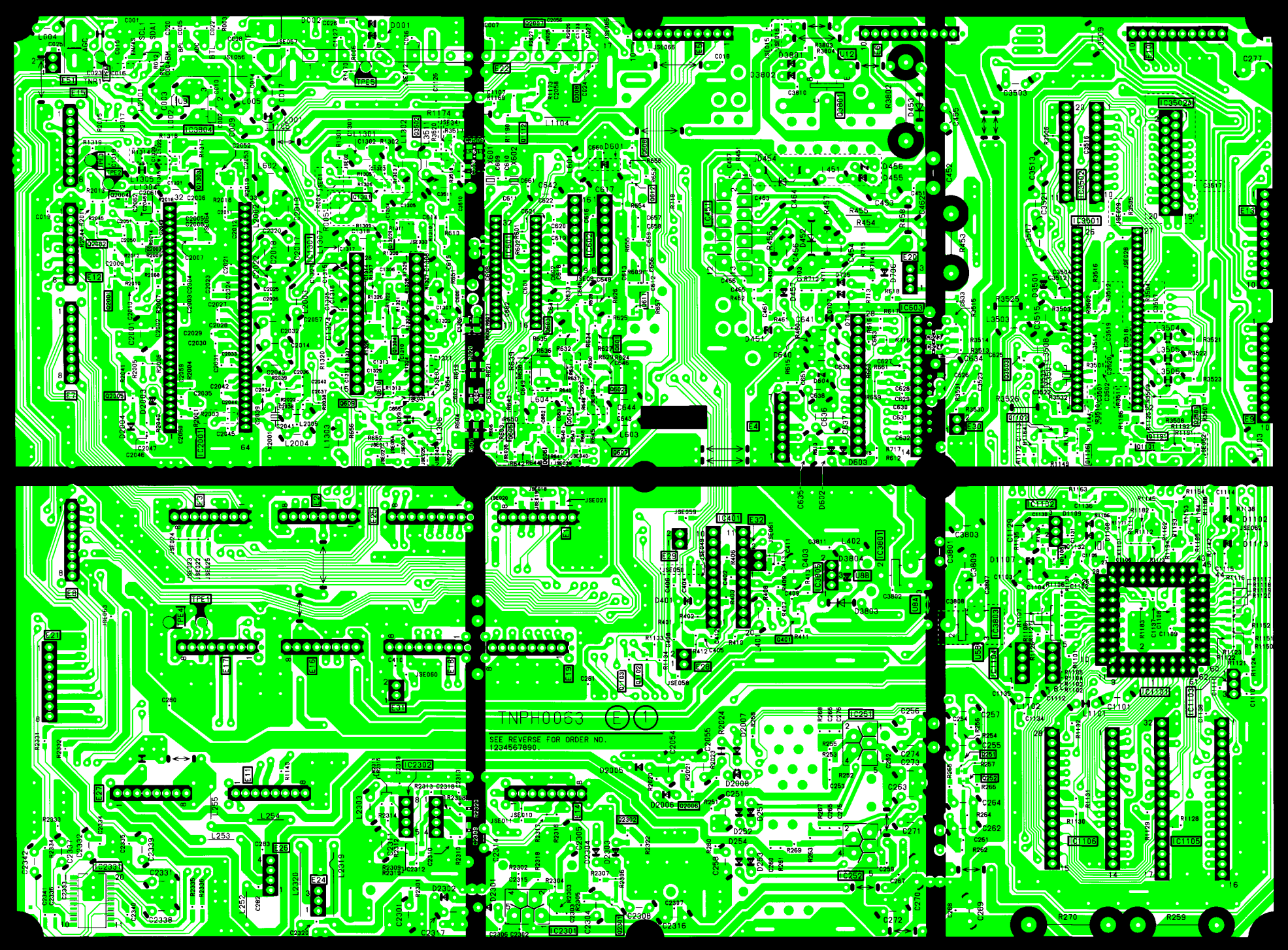
B1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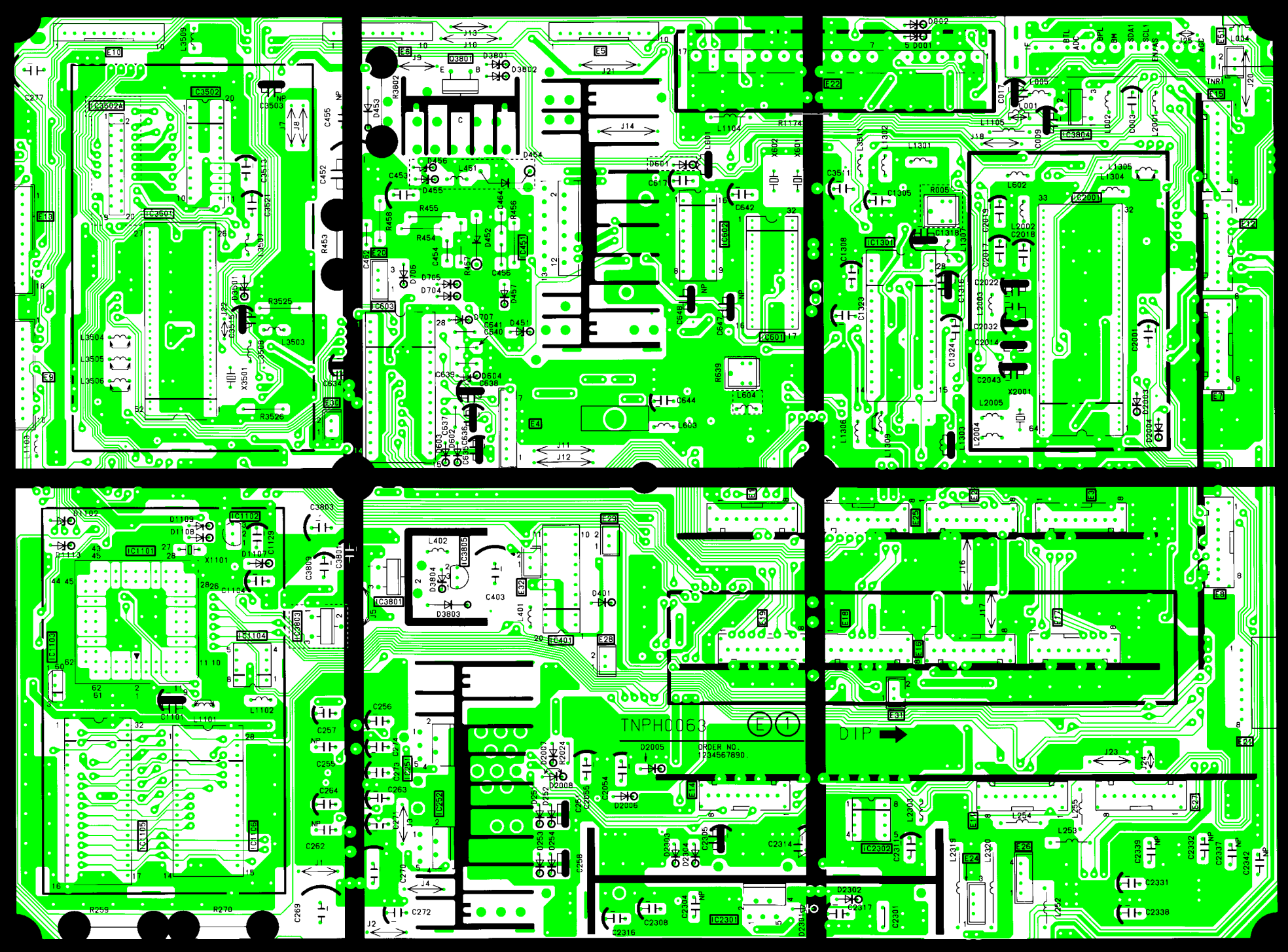
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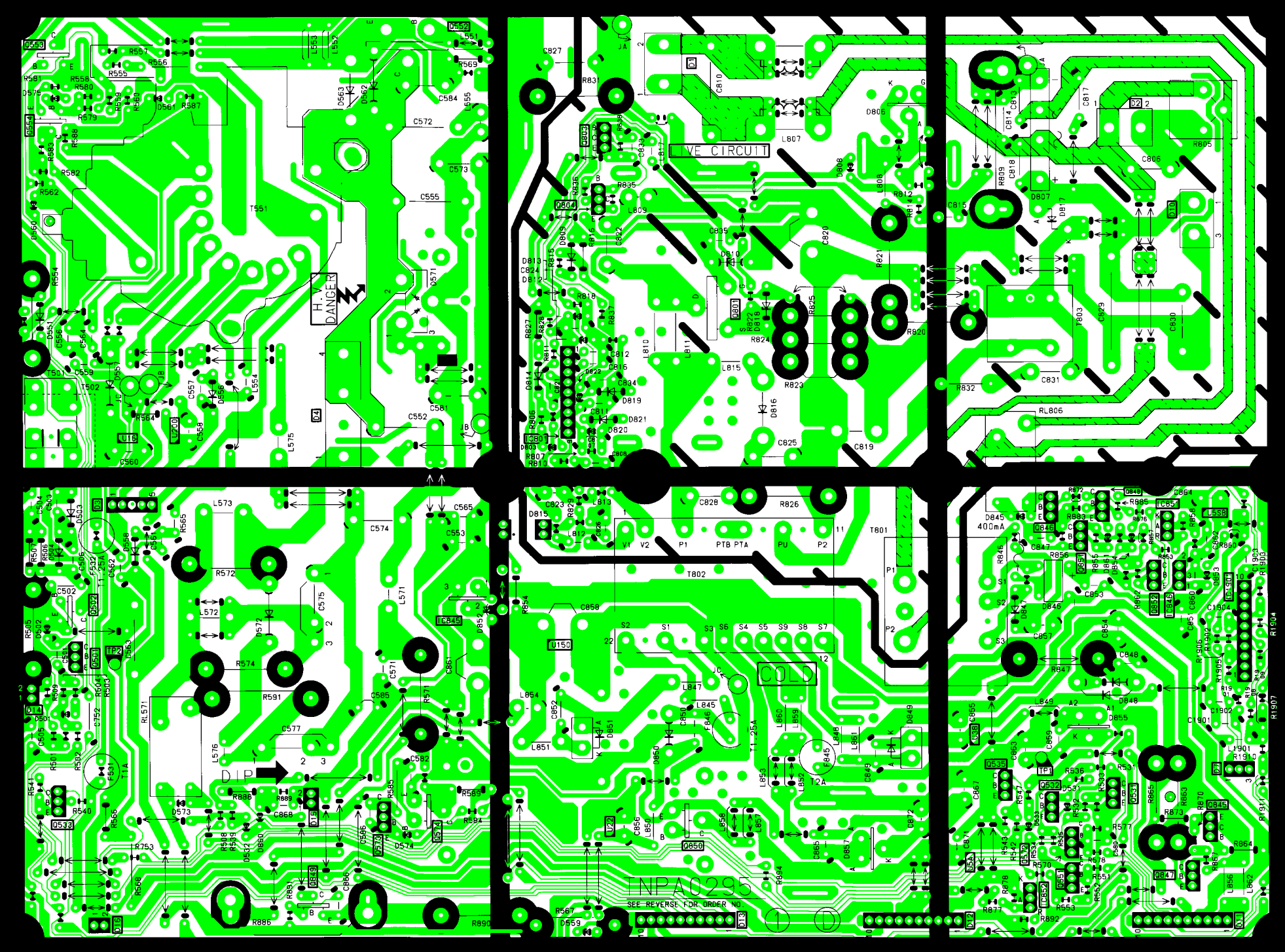
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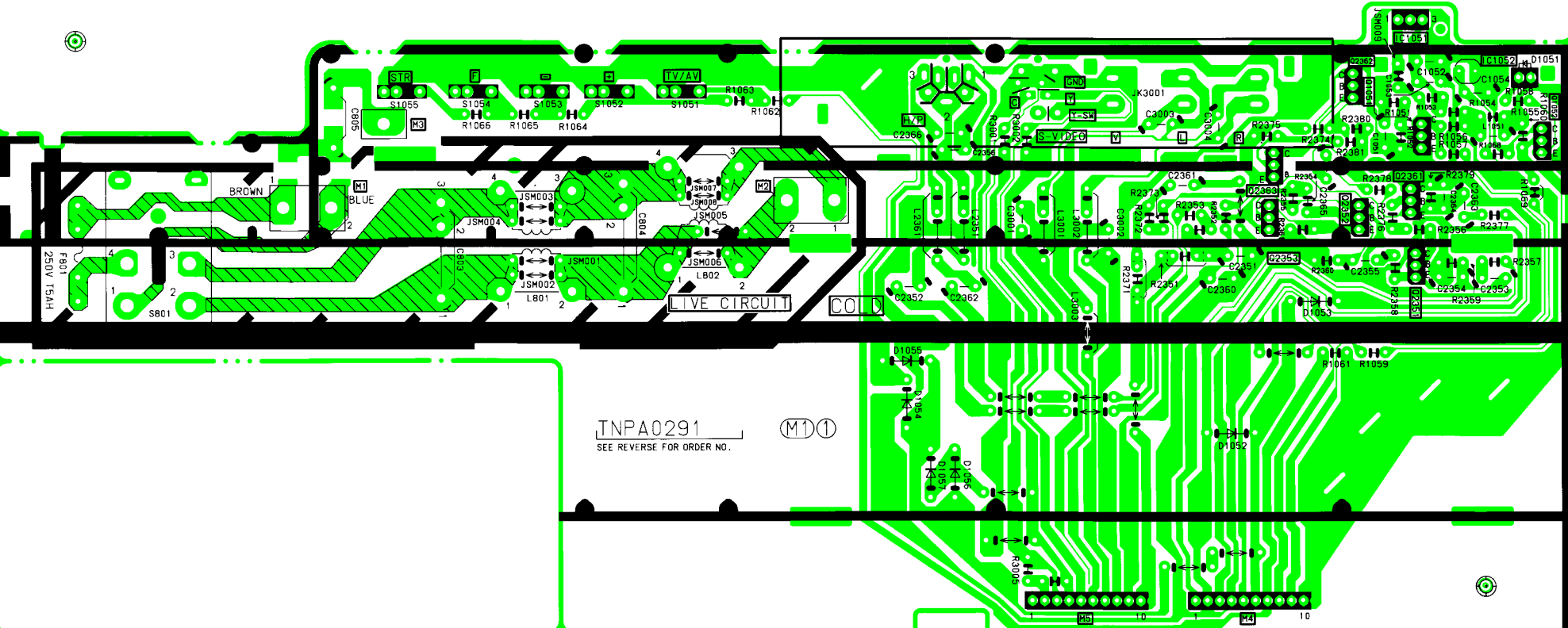
DANGER
LIVE CIRCUIT
COLD
TNPA0295
SEE REVERSE FOR ORDER NO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F
H
TV/AV
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S1054
S1053
S1052
S1051
R1063
R1062
R1066
R1065
R1064
C805
M3
M1
BROWN
BLUE
M2
JSM003
JSM004
JSM001
JSM002
JSM007
JSM008
JSM005
JSM006
C804
C803
L801
LB02
F801
250V T5AH
S801
LIVE CIRCUIT
COLD
TNPA0291
SEE REVERSE FOR ORDER NO.
M1 1
GND
Y
Y-SW
S-VIDEO
V
L
R
C
K3001
C3003
C3004
R3001
R3002
C2356
C2366
R2375
R2374
R2381
R2380
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R2351
C2359
C2358
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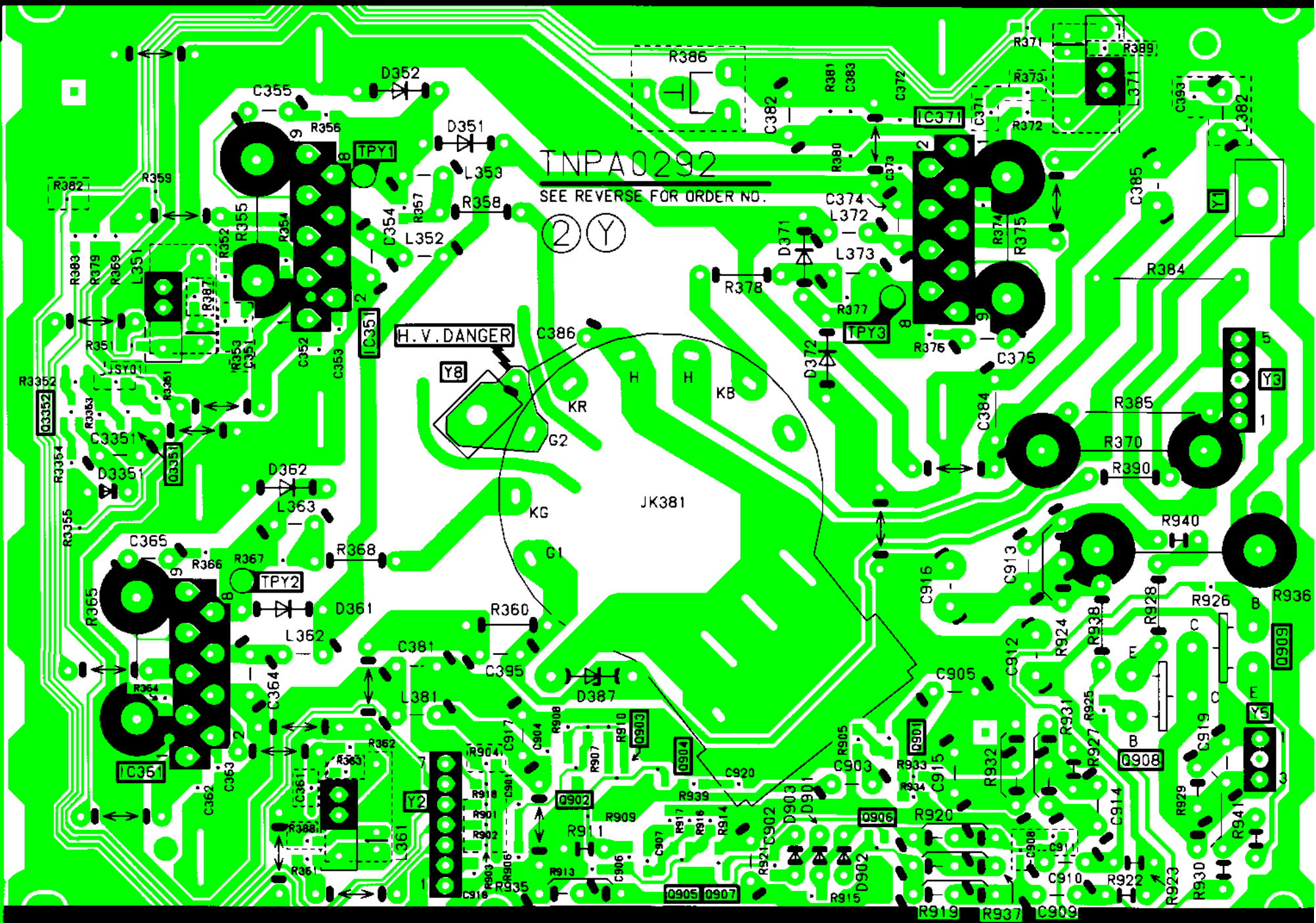
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H.V.DANGER
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KR
KG
KB
G2
G1
JK381
IC351
IC371
TPY1
TPY2
TPY3
Y1
Y2
Y3
Y5
Q901
Q902
Q903
Q904
Q905
Q906
Q907
Q908
Q909
D351
D352
D361
D362
D371
D372
D387
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R358
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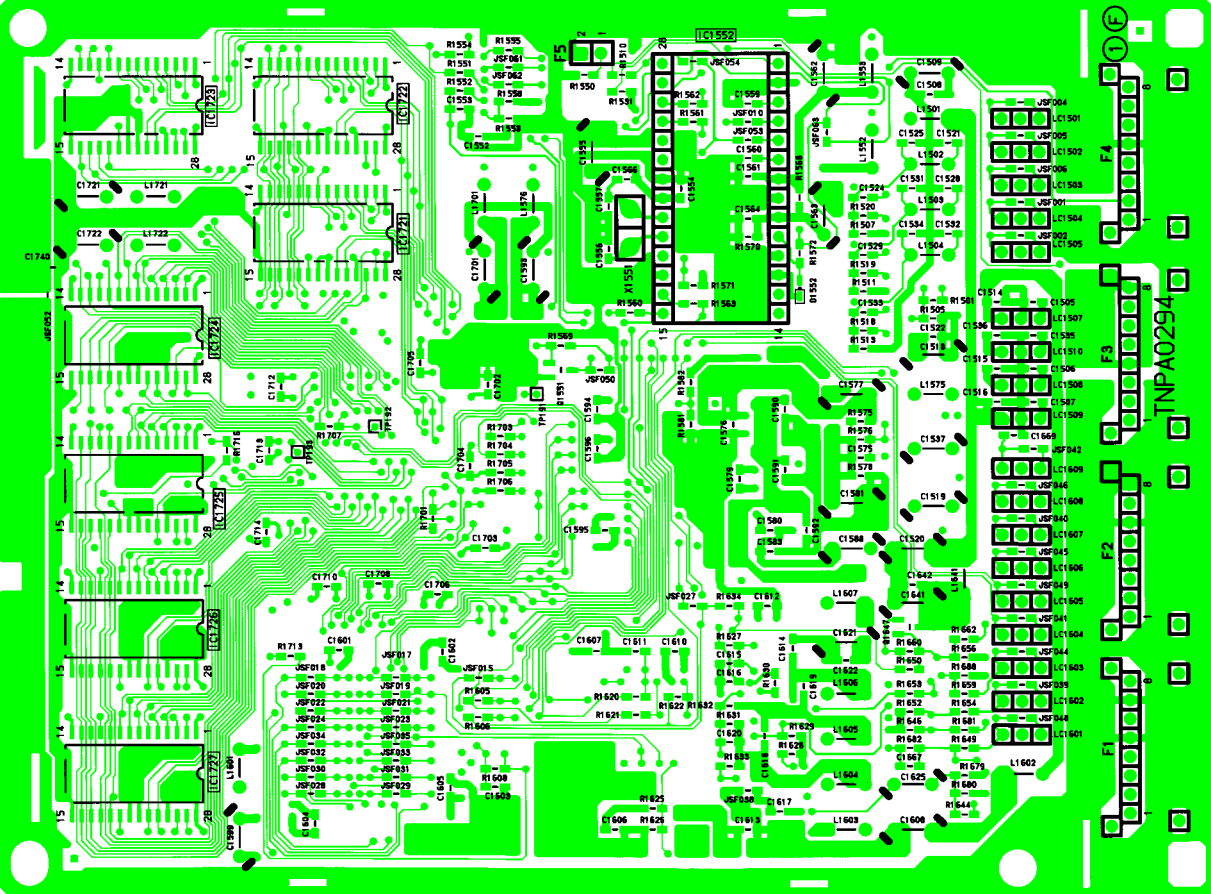
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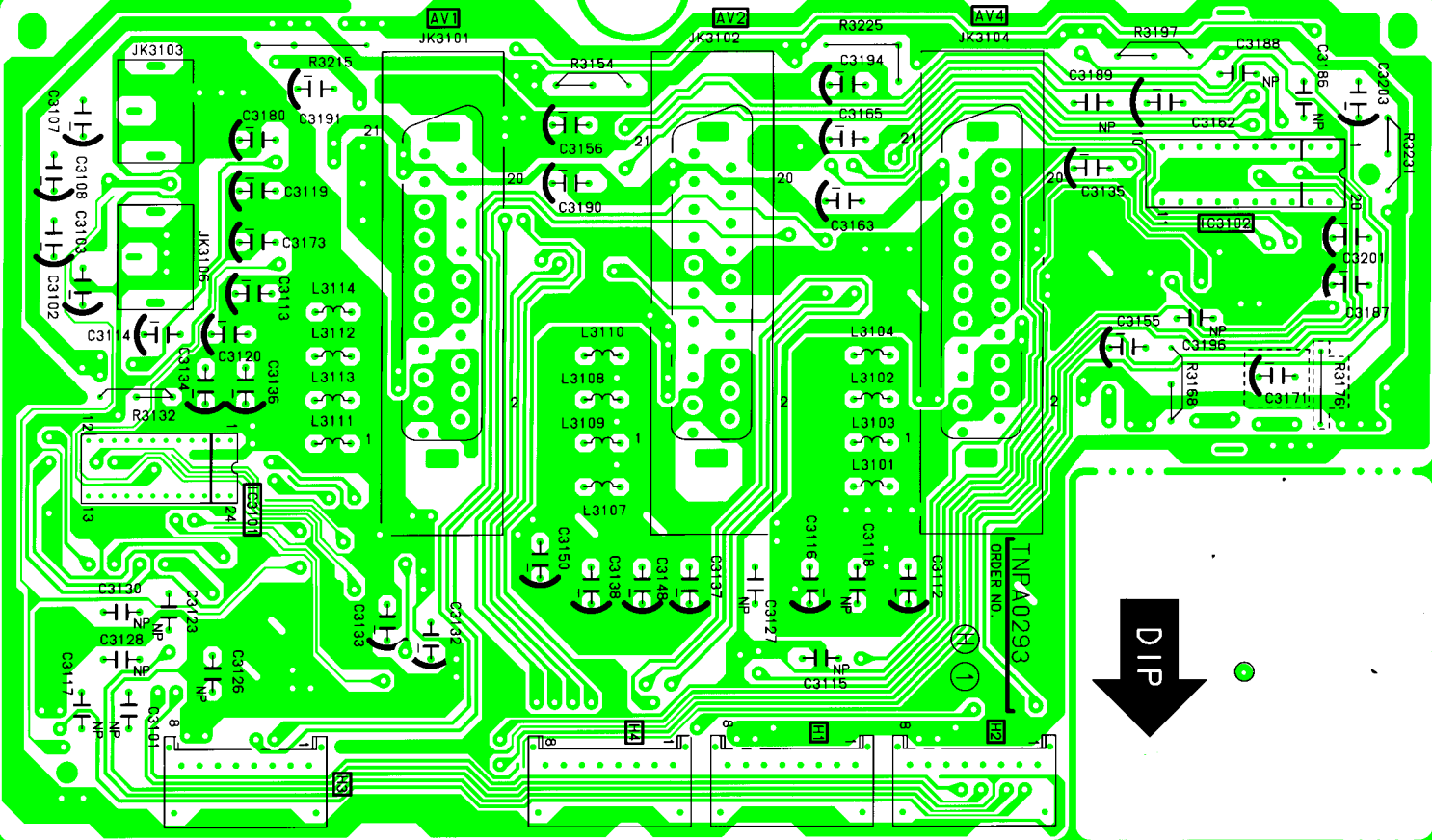
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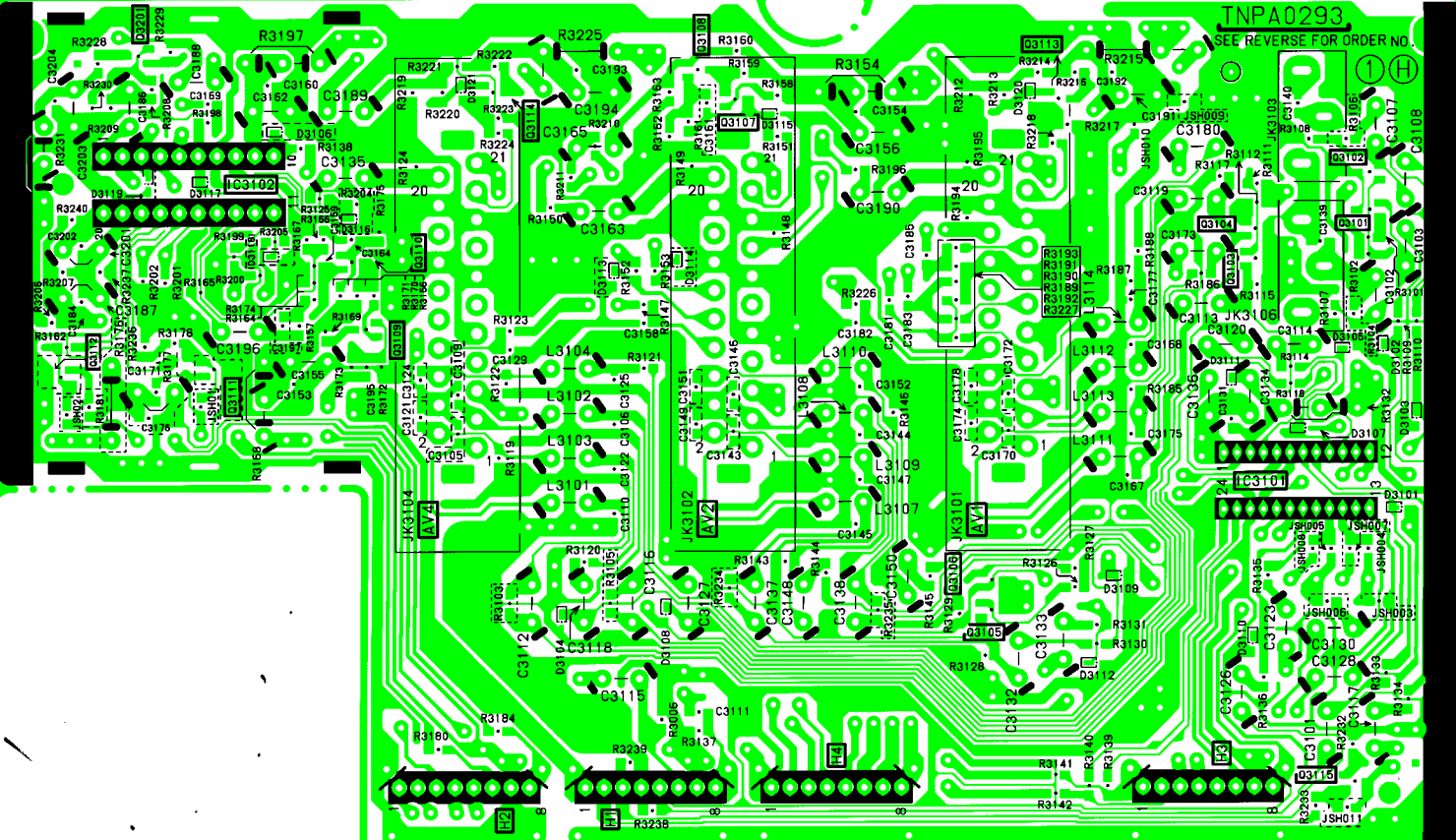
ORDER NO.
DIP
NP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AV2
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AV4
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IC3102
IC3118
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L3114
Q3101
Q3102
Q3103
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Q3105
Q3107
Q3113
Q3114
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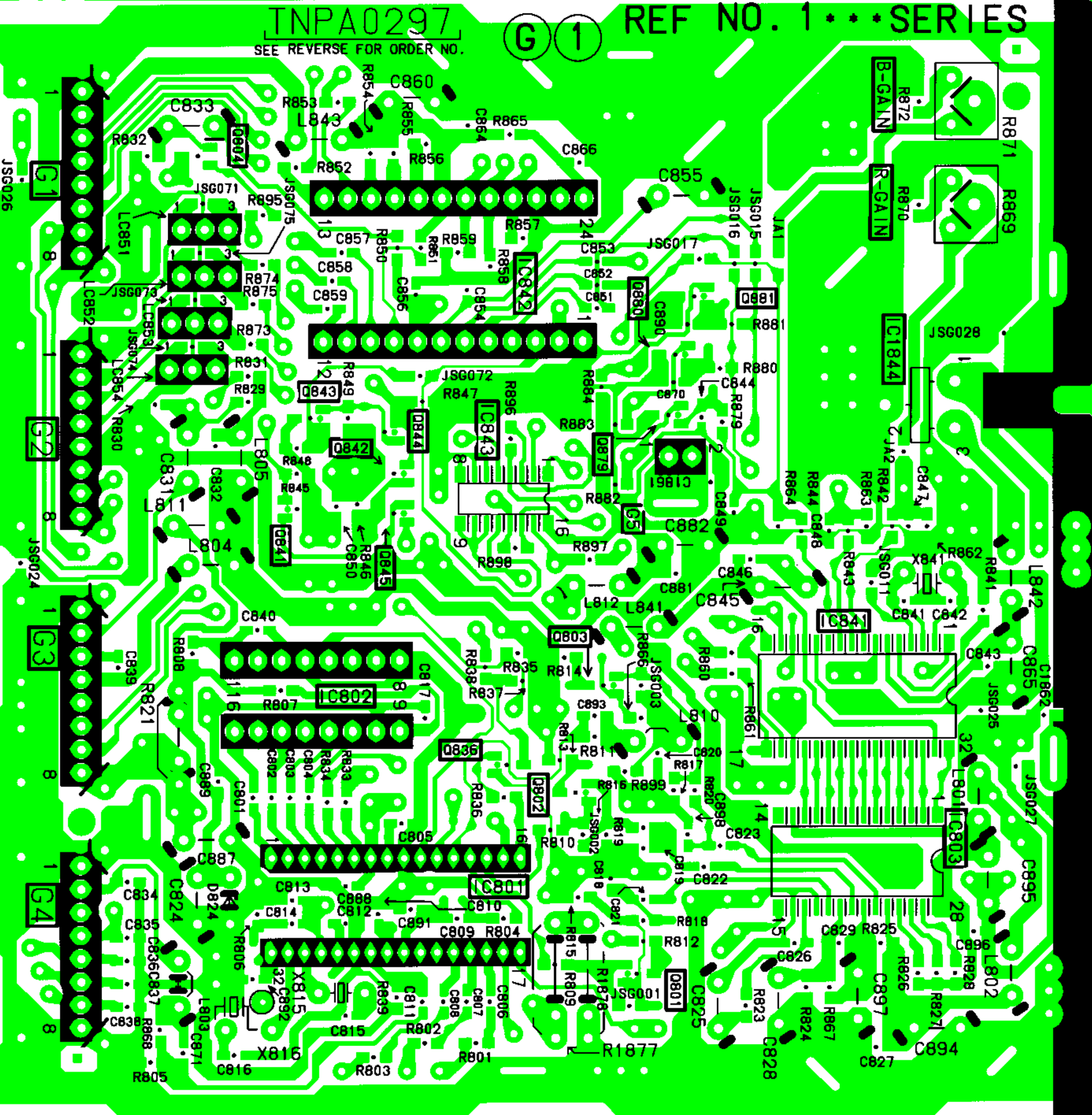
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R-GAIN
R869
R871
R872
R870
JA1
JA2
JSG015
JSG016
JSG017
JSG028
IC1844
IC1861
IC842
IC843
IC841
IC802
IC801
IC803
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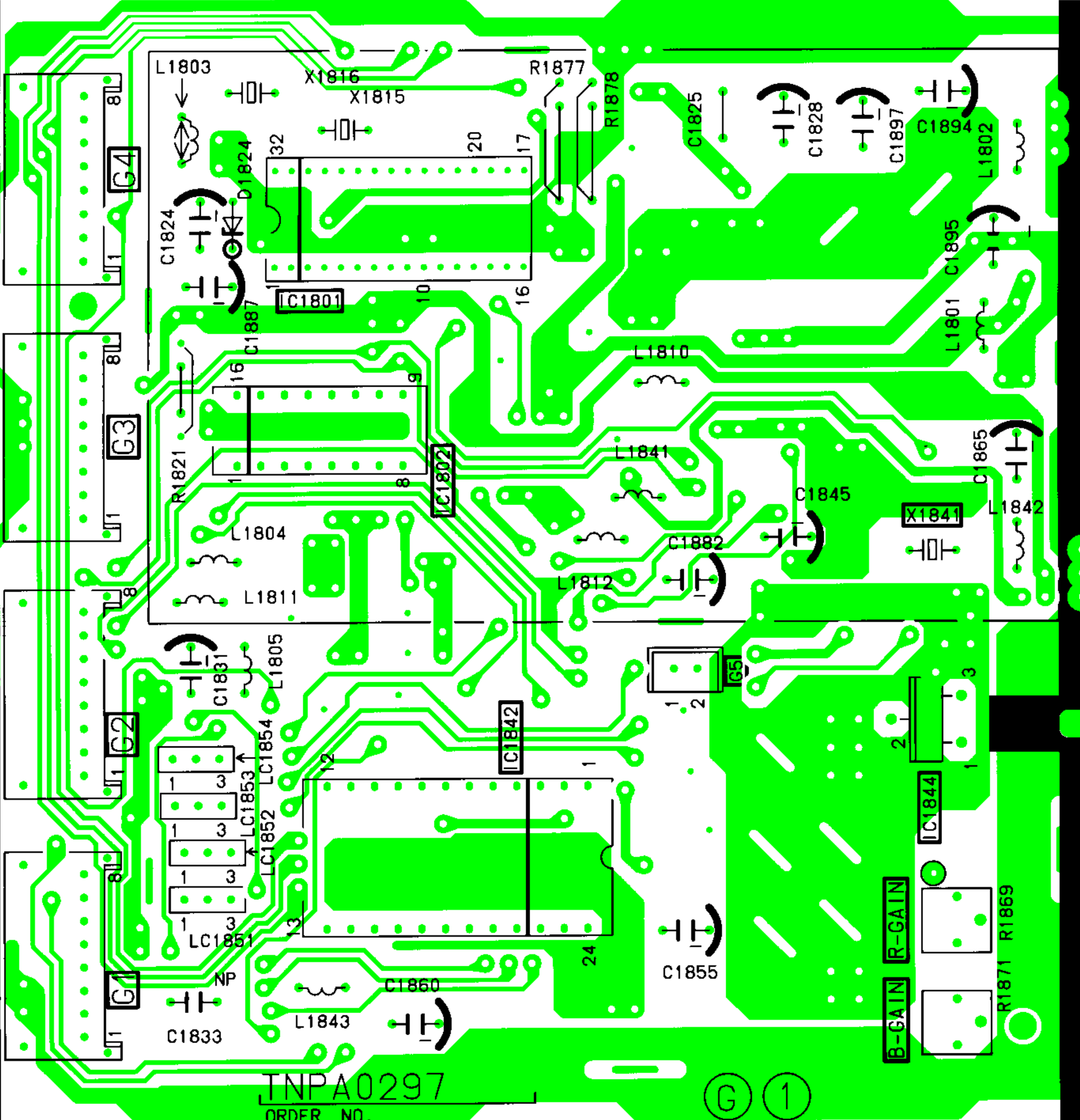
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B-GAIN
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